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**THE CITY OF NEW YORK**  

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**ANNUAL REPORT FOR 1909**

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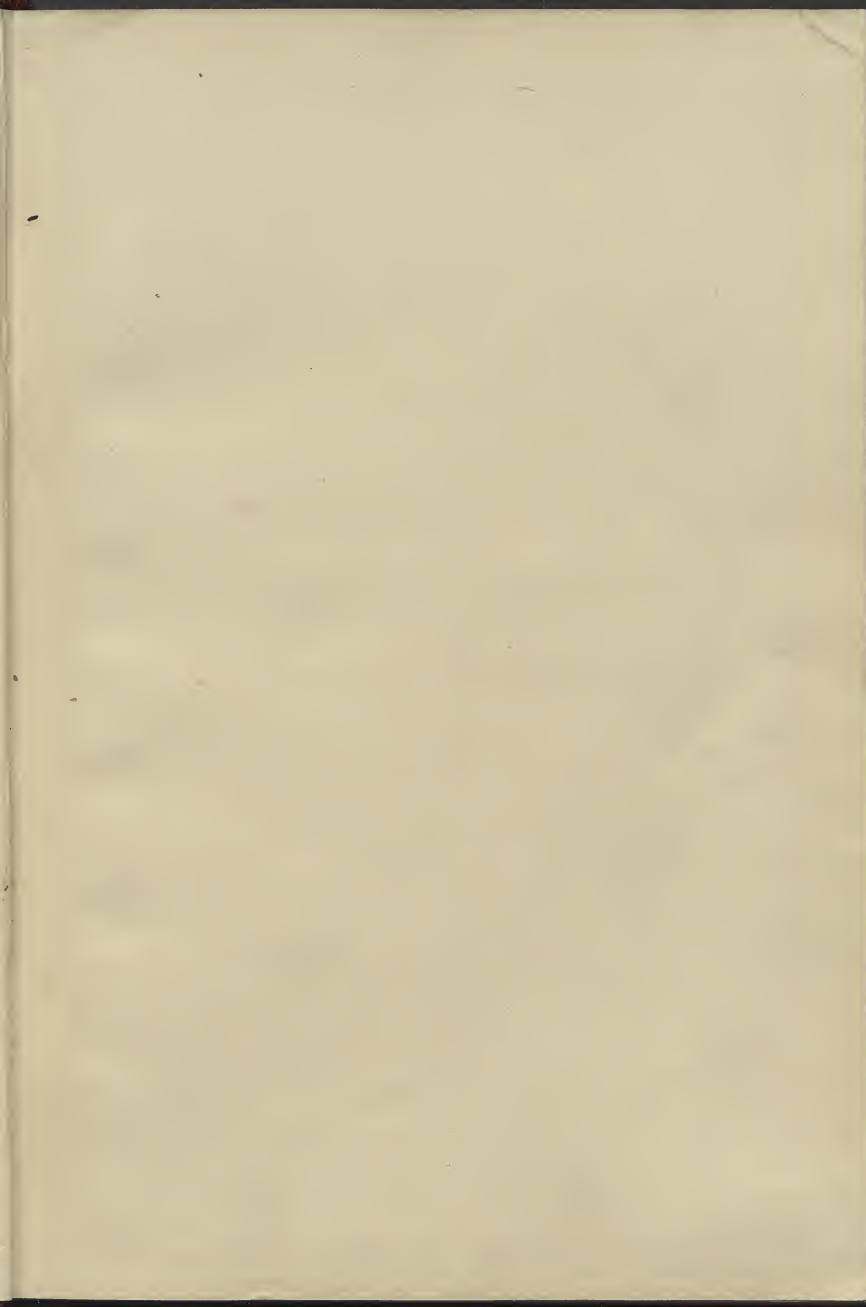
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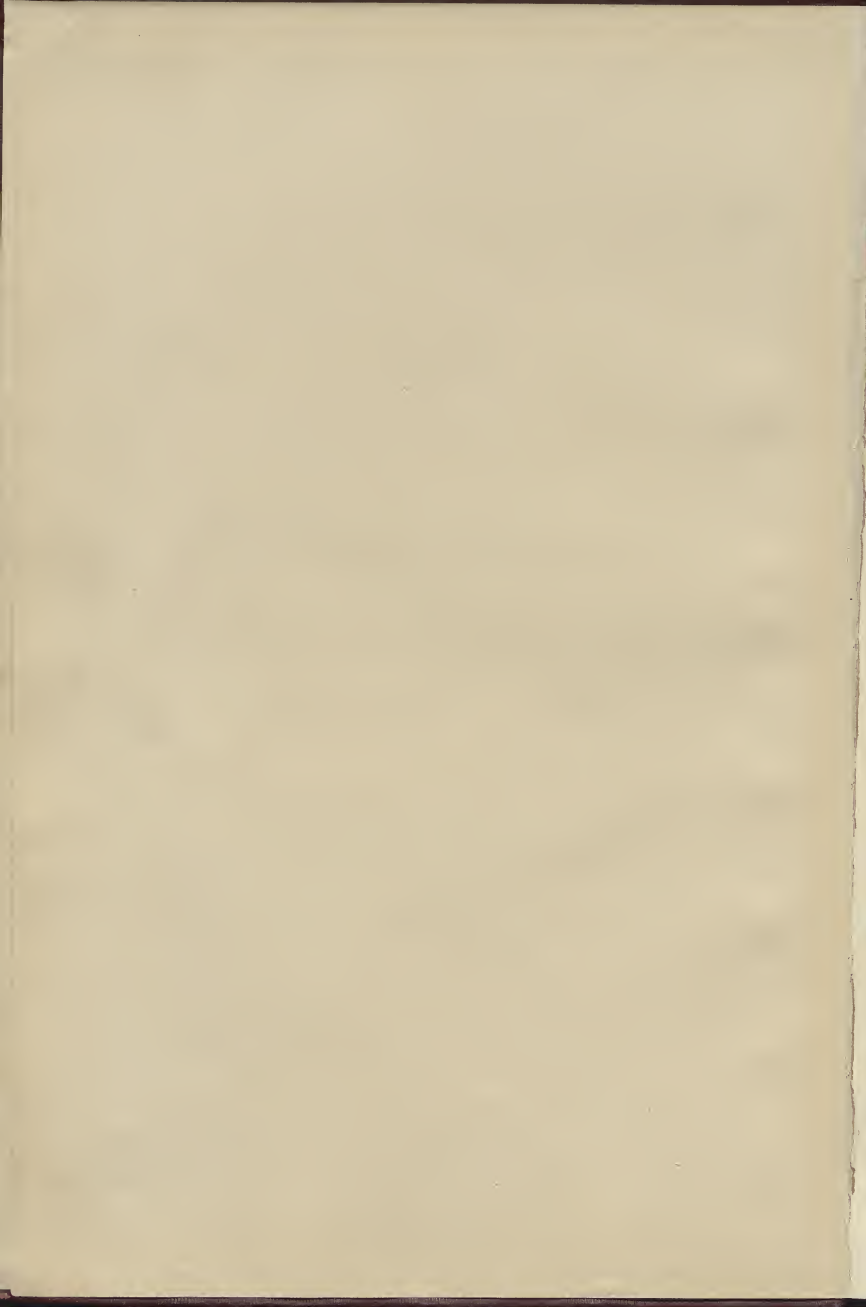
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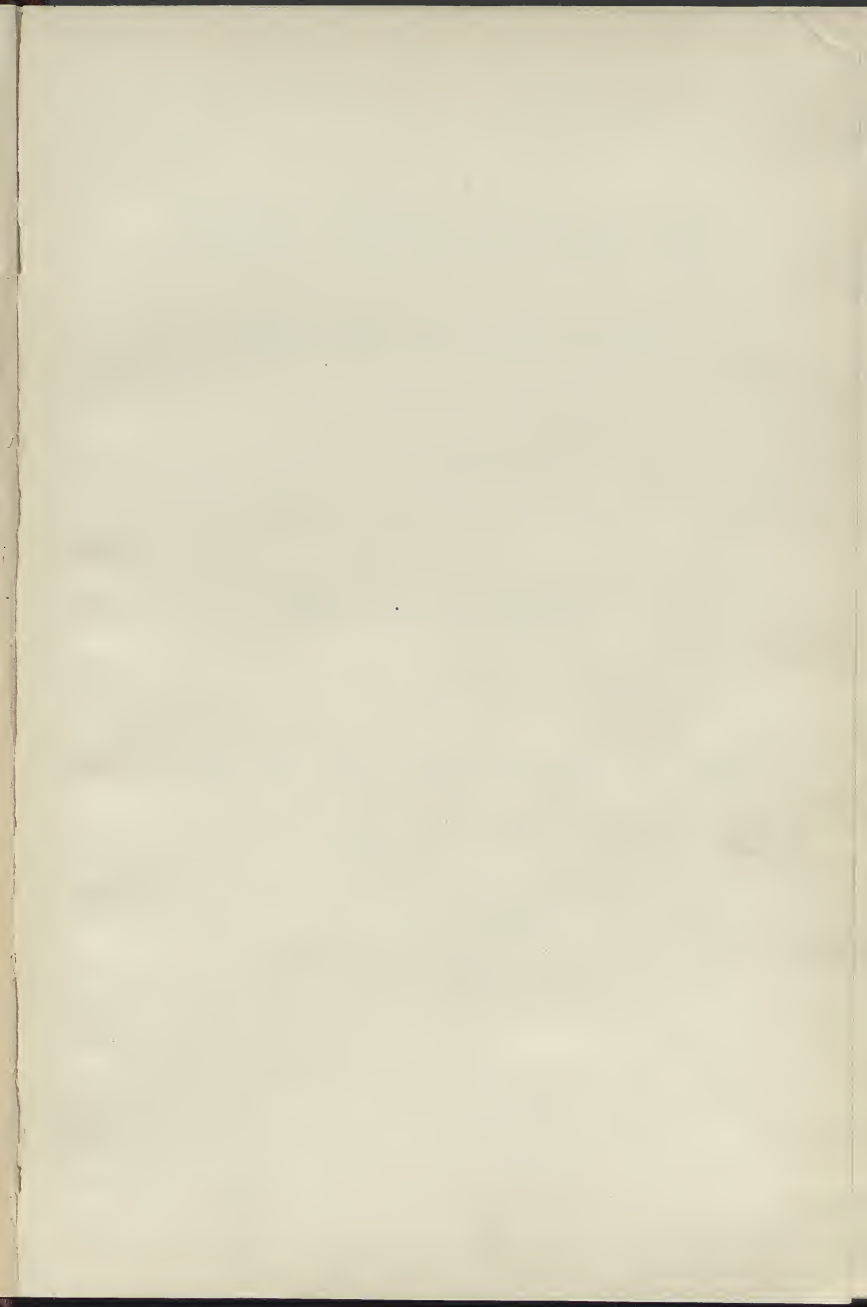


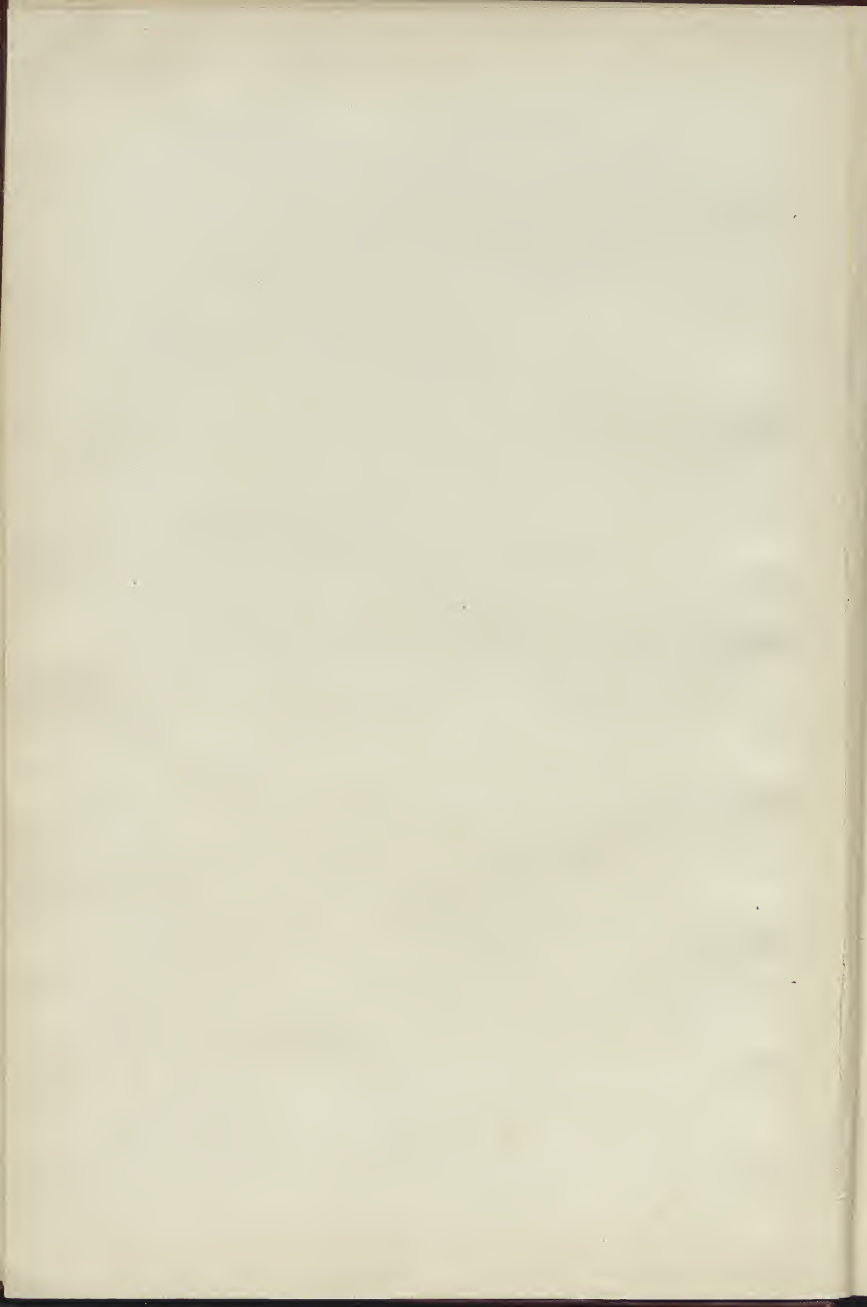
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# FIRE DEPARTMENT

THE CITY OF NEW YORK



## REPORT

FOR THE

Quarter and Year Ending December 31, 1909

COMPLIMENTS OF

R. WALDO

FIRE COMMISSIONER

CITY OF NEW YORK

1910

NEW YORK:  
LECOUVER PRESS COMPANY, PRINTERS AND PUBLISHERS,  
51 VESEY STREET.

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LECOUVER PRESS COMPANY

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NEW YORK

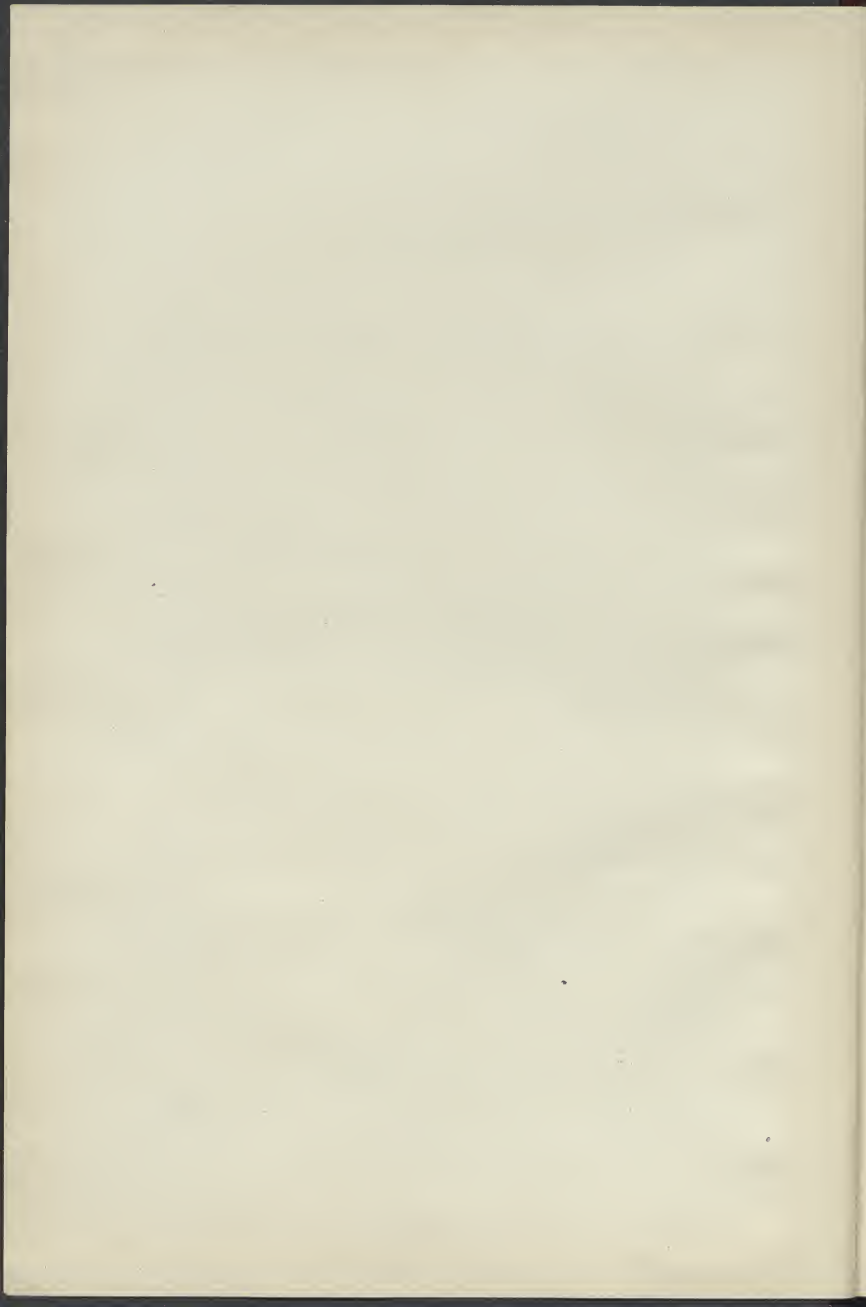
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# FIRE DEPARTMENT

Report for the Quarter and Year Ending December 31, 1909.

Headquarters Fire Department City of New York,  
157 and 159 East 67th Street,  
Borough of Manhattan, March 15, 1910.

Hon. WILLIAM J. GAYNOR, Mayor, City of New York, City Hall, N. Y.:

Sir—In compliance with the requirements of section 1544 of the amended Greater New York Charter, I have the honor to transmit herewith the annual report of the Fire Department for the year 1909, which includes that of the last quarter of said year.

## Uniformed Force.

On December 31, 1909, the uniformed force numbered 4,350 officers and men, an increase during the year of 106. There were in service on that date 172 engine companies, 73 hook and ladder companies and 8 hose wagons, a total of 253; also 4 water towers and 3 searchlight engines. On October 15, 1909, Hose Company No. 7, of the paid system, Jamaica, Borough of Queens, was disbanded and replaced by Engine Company 175.

During the year 1909 there were 230 appointments in the uniformed force: 79 promotions; 13 resignations; 18 dismissals; 17 reinstatements; 53 retirements on application; 31 for disability; 26 deaths of officers and men on the active list and 25 on the retired list.

The number of alarms responded to was 13,559, a decrease of 734 as compared with 1908.

## High Pressure Service.

The success of the high pressure system of fire extinguishment has continued to justify the wisdom of its adoption. The system covers important business sections in the boroughs of Manhattan and Brooklyn, and during the year 1909 was further extended at Coney Island.

## Fireboats.

The fireboat fleet successfully protects the 153 miles of the city's waterfront. There are ten of these boats, namely, "The New Yorker," "James Duane" and "Thomas Willett," berthed on the North River shore of Manhattan; the "William L. Strong" and "George B. McClellan" on the East River shore; the "Abram S. Hewitt," "David A. Boody" and "Seth Low" on the Brooklyn shore of that river; the "Cornelius W. Lawrence" on the Harlem River, and the "Zophar Mills" at St. George, Staten Island.

## Apparatus, Hose and Equipment.

During the year 1909 there were received for use in the borough of Manhattan one first size steam fire engine; two 65-foot and one 75-foot aerial hook and ladder trucks; eight first size hose wagons; three high-pressure

service wagons, and ten chief officers' wagons. There were received for the borough of The Bronx, two third size steam fire engines, and two 65-foot aerial hook and ladder trucks, also one automobile roadster for the official use of the Deputy Chief of Department, assigned to that borough. Four third size steam fire engines and ten chief officers' wagons were acquired for use in the borough of Brooklyn. During the year 1908, the only apparatus procured were three high-pressure hose wagons for use in the borough of Manhattan. During the year 1909, 71,960 feet of hose were purchased for use in the boroughs of Manhattan and Brooklyn, as against 224,200 feet during the preceding year. A considerable amount of repair work was made at the Repair Shops, Manhattan and Brooklyn.

### Fires and Their Investigation.

In the boroughs of Manhattan, The Bronx and Richmond, the total number of fires was 8,132; estimated loss \$5,388,390; average loss per fire \$662.61. There was a decrease as compared with 1908 of 510 fires; \$809,503 in the amount of total loss, and of \$54.57 in the average loss per fire. There were 44 arrests in these boroughs for arson and suspected incendiarism, and 8 pending from 1908, a total of 52 cases. There were 7 convictions and one committal to an insane asylum. Of the remaining 44 cases, 22 of those arrested were discharged by magistrates, 9 acquitted by juries, one was discharged by the Court of Special Sessions, and the indictments against two prisoners were dismissed by the Court of General Sessions, leaving 10 cases pending at the close of the year. During the year 1908 the number of convictions was 39 and of acquittals 55.

In the boroughs of Brooklyn and Queens the number of fires for 1909 was 4,305, as against 4,397 for 1908, a decrease of 92, with a total estimated loss of \$2,043,245.00, as against \$3,063,185 for 1908, a decrease of \$1,019,940. The average loss per fire was \$474.62 as against \$696.65 for 1908, a decrease of \$222.03. There were 44 arrests in these boroughs for arson or suspected incendiarism, which with one pending from 1907 and 10 from 1908, made a total of 55 cases to be disposed of. There were 15 convictions and three committals to insane asylums. Of the remaining 37 cases 7 were discharged by magistrates, in four cases the grand jury failed to indict, and in another the indictment was dismissed, and 25 indictments have been had and the cases now await trial. The large number of indictments awaiting trial is due to the crowded condition of the calendar of the County Court, there being but two judges for the trial of civil and criminal actions in said court. In 1908 the number of arrests was 65, of which 28 resulted in convictions.

### Fire Prevention.

During the year 1909 there were in the boroughs of Manhattan, The Bronx and Richmond 2,483 inspections by the Bureau of Violations and Auxiliary Fire Appliances of office buildings, as against 2,053 for 1908. There were also 753 inspections at the request of the Police Department, and of the Bureau of Licenses, Mayor's office, in matter of applications for concert and common show licenses in said boroughs, as against 533 for 1908. In the boroughs of Brooklyn and Queens, 863 inspections of office buildings were made, as against 608 for 1908, and 648 inspections of concert and common show premises, as against 390 for 1908. The theatres in the several boroughs were regularly inspected during the year as to compliance with the fire laws. 146 plans for fire protection work for buildings, such as standpipes (fire lines), sprinkler work and perforated pipes were examined and approved, as against 145 for 1908. Notices served during 1909 resulted in the installation of fire appliances in 459 buildings, as against 335 for 1908, an increase of 124.

### Combustibles and Explosives.

The receipts for licenses, permits and penalties for 1909, Bureau of Combustibles, boroughs of Manhattan, The Bronx and Richmond, amounted to \$52,745.50. This was an increase of \$2,735 over the amount for the preceding year. In the boroughs of Brooklyn and Queens the receipts were \$52,049.50, as against \$51,294 for 1908, an increase of \$755.50. 30,012 inspections as against 28,967 for 1908 were made of premises to determine their fitness for the storage, sale and use of combustibles, an increase of 1,045. Included in the number were 7,453 complaints of violations of the combustible laws. Nearly half of these related to conditions in tenement houses. This was an increase of 985 over the number for 1908, which was 6,468. There were 885 inspections, as against 673 for 1908, of theatres with a view to regulating the storage of old scenery and other combustible material on the stage and in the flies or beneath the stage and auditorium. This was an increase of 212. Careful supervision was exercised over places where high explosives were stored and where blasting operations were conducted, of which latter an average of 150 jobs, large and small, was in progress daily.

### Fire Alarm Telegraph.

The underground system at the close of 1909 consisted in the borough of Manhattan of 1203.24 miles of conductor laid in 138.75 miles of subway duct. During the year 62,845 feet of cable were pulled in of which 35,768 were for alterations and repairs and 27,077 for extending the system. Wire to the amount of 29,750 feet was strung for alterations and repairs and 119,010 feet taken down. 16,226 feet of aerial cable were strung, 9,666 for alterations and repairs and 6,560 feet for extending the system.

In the borough of The Bronx 173,666 feet of wire were strung for alterations and repairs to the system and 227,990 feet of wire taken down. 5,460 feet of aerial cable were strung for alterations and repairs.

In the borough of Brooklyn the fire alarm system consisted of 1,090 7-8 miles of aerial conductor. 289,003 feet of wire were used for repairs and 60,720 for extending the system. There were removed 11,880 feet of wire.

In the borough of Queens 39,040 feet of wire were used for repairs.

In the borough of Richmond 36,180 feet of wire were strung, as also 810 feet of aerial cable.

In the borough of Manhattan much progress was made in placing underground the remaining portion of the overhead fire alarm system. There is need among other things of funds for the removal of the cables strung on the structures of the elevated railroads and the placing underground in the existing subways of the overhead wires in the lower part of the borough of The Bronx, and for a central building for the telegraph system in said borough. In 1905 my predecessor in office called attention to the need of a new fire alarm telegraph system in the borough of Manhattan. The matter was thereupon investigated by the New York Board of Fire Underwriters, as subsequently by the National Board of Fire Underwriters, both in co-operation with this department. The Board of Estimate and Apportionment in 1906 authorized a bond issue appropriation of \$25,000 for the preparation of preliminary plans, specifications and estimates. The engineers employed, Messrs. John J. Carty and Kempster B. Miller, submitted their report and their plans and estimate of cost were transmitted by the Fire Commissioner to the Board of Estimate and Apportionment on September 25, 1907, for the technical opinion of its Chief Engineer. The estimate called for an expenditure of \$2,680,000. The Chief Engineer approved the plans and estimate, but thought that certain additional subways required should be built at the expense of the Empire City Subway Co., Ltd., under the existing contract between it and the city. The Fire Commissioner

inquired of the Corporation Counsel on December 8, 1908, whether it were practicable for an arrangement to this end to be made, but the head of the Law Department replied on April 28, 1909, that the company refused to assent and that he did not see how it could be compelled to do so under the then status of a litigation pending between the parties. On May 3, 1909, application was made by this department to the Board of Estimate and Apportionment for an appropriation of \$2,000,000 for the building of the new system should it ultimately be decided that the additional subways should be built by the company, or of \$2,680,000, if required to be built by the City. The Board of Estimate and Apportionment on May 28, 1909, authorized a bond issue not to exceed \$100,000 "to provide means for the preparation of detailed plans and specifications for a new fire alarm system in the borough of Manhattan, said plans to include the location and character of the ducts required, such subways as the City must build for itself, the type and character and detailed nature of the intended equipment, together with plans of such central and subordinate stations as might be required." The resolution was concurred in by the Board of Aldermen on June 8, 1909, and approved by the Mayor on June 21, 1909. This was the condition of the matter as it existed December 31, 1909.

### Buildings.

During the year contracts were awarded for new building for a hook and ladder company, Manhattan, one for an engine and hook and ladder company, The Bronx, one for a dock house at St. George, borough of Richmond, and one for an engine and hook and ladder company, Brooklyn. Contracts were also awarded for completion of annex and alterations to Department Headquarters, and for additions and alterations to Eldridge Street Storehouse, to Repair Shops and to seven apparatus houses in the borough of Manhattan; to five in The Bronx, two in Richmond and three in Brooklyn. Work in progress on January 1, 1909, was completed as follows: Two new dock houses for fireboats, Manhattan, and one apparatus house each in the boroughs of Manhattan, The Bronx, Brooklyn and Queens, also for additions and alterations to five apparatus houses and one fuel depot, Manhattan, one in The Bronx; to five in Brooklyn, and to twelve in Queens.

### Sanitary Statistics.

The report of the Board of Medical Officers shows that the number of cases of illness and injury during 1909 in the boroughs of Manhattan, The Bronx and Richmond was 1,072, and the time lost thereby 10,434 days. These figures show a decrease of 255 cases and 5,929 days respectively. In the boroughs of Brooklyn and Queens these totals were 484 and 6,007 respectively, showing decrease of 94 cases of illness and injury and 3,563 days lost thereby. In the boroughs of Manhattan, The Bronx and Richmond the number of deaths in the uniformed force was 12, a decrease of 4 as compared with the preceding year, and in the boroughs of Brooklyn and Queens 15, an increase of 8. Two of the deaths in the boroughs of Brooklyn and Queens were due to injuries received at fires and one to falling or jumping from the roof of a building.

During 1909 there were 236 examinations of applicants for appointment in the uniformed force, a decrease of 7 as compared with 1908, the rejections being 21 in each year. The number of members of the uniformed force examined to determine their fitness to continue in the service was 52, an increase of 7 over the number for 1908.

In the boroughs of Manhattan, The Bronx and Richmond, there were 30 retirements after 20 years or longer service, and 12 for disability. For the year 1908 there were 19 and 23 respectively. In the boroughs of Brooklyn and Queens there were 23 retirements after 20 years or longer service and 19 for disability, as against 10 and 8 for the year 1908.



### Horses.

On December 31, 1909, in the boroughs of Manhattan, The Bronx and Richmond, there were 840 horses in the service, as against 828 at the end of the preceding year, and in Brooklyn and Queens 709, as against 697, an increase of 12 in each instance.

### Volunteer System.

The volunteer system in the borough of Richmond consists of 13 companies, with a membership of 388, and in the borough of Queens of 41 with a membership of 1,700. There was no further extension of the paid system into volunteer territory during the year 1909. Since consolidation in 1898, 44 volunteer companies have been disbanded in Richmond and 35 in Queens. These companies have been superseded respectively by 14 and 23 companies of the paid system.

### Contracts and Proposals Executed.

The contracts and proposals executed by the Fire Commissioner during the year 1909, payable from appropriation and bond issue accounts, amounted in the boroughs of Manhattan, The Bronx and Richmond to \$752,650.95, and in the boroughs of Brooklyn and Queens to \$473,915.83, a total of \$1,226,566.78, a decrease of \$73,003.92. The figures for 1908 were \$797,827.59 and \$501,743.11 respectively, a total of \$1,299,570.70.

### New York Fire Department Relief and Life Insurance Funds.

The receipts of the New York Fire Department Relief Fund during the year were \$736,993.05, which added to \$851,124.12, the amount on hand December 31, 1908, made the total resources \$1,588,117.17. The disbursements for pensions and allowances to widows and orphans was \$736,773.57, leaving on hand December 31, 1909, \$851,343.60. The number of retired officers and men was 667; of relieved men 54, and of widows and orphans 624.

The New York Fire Department Life Insurance Fund amounted on December 31, 1908, to \$16,942.73. There was received during 1909 by way of assessments upon beneficiaries of the fund and interest the sum of \$68,200.78, a total of \$85,143.51. There was disbursed during the year for death benefits the sum of \$57,001, leaving a balance on hand at the end of the year of \$28,142.51.

Respectfully,

R. WALDO, Fire Commissioner.

## FINANCIAL STATEMENT.

Boroughs of Manhattan, The Bronx, Richmond, Brooklyn and Queens.  
December 31, 1909.

Title of Appropriation.	Appropriation for the Year, Including Transfers.	Total Vouchers Certified to Comptroller.	Balance.
GENERAL ADMINISTRATION.			
Manhattan, The Bronx and Richmond.			
Salaries and Wages—			
Office of the Commissioner.....	\$61,335.00	\$60,672.50	\$662.50
ADMINISTRATION.			
Manhattan, The Bronx and Richmond.			
Salaries—			
Bureau of Combustibles.....	34,100.00	33,371.66	728.34
Bureau of Fire Marshal.....	23,900.00	23,115.57	784.43
Repair Shops.....	131,958.50	123,583.07	8,375.43
Hospital and Training Stables.....	24,104.00	21,292.92	2,811.08
Office of the Superintendent of Buildings....	34,346.50	33,689.50	657.00
Borough of Manhattan.			
Salaries—			
Bureau of Chief of Department.....	131,250.00	126,910.44	4,339.56
Engine and Hook and Ladder Companies....	2,736,873.50	2,681,920.58	54,952.92
Fire Alarm Telegraph.....	76,898.00	76,046.60	851.40
General Supplies.....	104,000.00	65,756.59	38,243.41
Materials for Repairs and Replacements by Department Labor.....	47,500.00	20,993.18	26,506.82
Repairs and Replacements by Contracts or Open Orders .....	59,500.00	29,484.50	30,015.50
Apparatus, Machinery, Vehicles, Horses, Equipment, Care and Storage of Same.....	104,000.00	54,742.86	49,257.14
Fuel .....	84,700.00	66,040.05	18,659.95
Hired Teams, Horses and Carts.....	500.00	191.50	308.50
Telephones, Rentals of.....	10,000.00	7,146.26	2,853.74
Contingencies .....	6,600.00	5,825.57	774.43
Borough of The Bronx.			
Salaries—			
Bureau of Chief of Department.....	27,300.00	25,100.00	2,200.00
Engine, and Hook and Ladder Companies...	725,120.00	712,604.64	12,515.36
Fire Alarm Telegraph.....	15,500.00	15,478.49	21.51
General Supplies .....	28,600.00	21,693.10	6,906.90
Materials for Repairs and Replacements by Department Labor.....	13,200.00	4,779.82	8,420.18
Repairs and Replacements by Contracts or Open Orders .....	11,500.00	4,123.37	7,376.63
Apparatus, Machinery, Vehicles, Horses, Equipment, Care and Storage of Same.....	20,000.00	16,226.42	3,773.58
Fuel .....	13,200.00	8,834.46	4,365.54
Hired Teams, Horses and Carts.....	200.00		200.00
Telephones, Rentals of.....	2,500.00	1,501.67	998.33
Borough of Richmond.			
Salaries—			
Bureau of Chief of Department.....	14,100.00	14,100.00	.....



Title of Appropriation.	Appropriation for the Year, Including Transfers.	Total Vouchers Certified to Comptroller.	Balance.
Engine and Hook and Ladder Companies...	285,620.00	271,643.57	13,976.43
Fire Alarm Telegraph.....	12,600.00	12,545.48	54.52
General Supplies.....	13,000.00	9,324.96	3,675.04
Materials for Repairs and Replacements by De- partment Labor.....	8,700.00	3,080.01	5,619.99
Repairs and Replacements by Contracts or Open Orders .....	7,700.00	1,488.21	6,211.79
Apparatus, Machinery, Vehicles, Horses, Equip- ment, Care and Storage of Same.....	7,200.00	4,624.70	2,575.30
Fuel .....	8,100.00	4,780.28	3,319.72
Hired Teams, Horses and Carts.....	100.00	.....	100.00
Telephones, Rentals of.....	1,500.00	1,373.92	126.08
Allowance to Volunteer Companies, Borough of Richmond (Section 722), Greater New York Charter .....	13,800.00	13,800.00	.....
GENERAL ADMINISTRATION.			
Boroughs of Brooklyn and Queens.			
Salaries and Wages—			
Office of the Deputy Commissioner.....	25,671.50	25,370.01	301.49
ADMINISTRATION.			
Boroughs of Brooklyn and Queens.			
Salaries and Wages—			
Bureau of Combustibles.....	17,700.00	17,700.00	.....
Bureau of Fire Marshal.....	13,600.00	13,408.05	191.95
Repair Shops.....	43,221.00	42,366.93	854.07
Hospital and Training Stables.....	3,650.00	3,650.00	.....
Fire Alarm Telegraph.....	37,842.50	37,476.16	366.34
Borough of Brooklyn.			
Salaries—			
Bureau of Chief of Department.....	113,550.00	105,607.00	7,943.00
Engine and Hook and Ladder Companies....	1,896,770.00	1,838,067.94	58,702.06
General Supplies.....	106,350.00	69,552.36	36,797.64
Materials for Repairs and Replacements by De- partment Labor.....	26,900.00	14,921.56	11,978.44
Repairs and Replacements by Contracts or Open Orders .....	20,500.00	8,329.30	12,170.70
Apparatus, Machinery, Vehicles, Horses, Equip- ment, Care and Storage of Same.....	84,000.00	35,786.42	48,213.58
Contingencies .....	1,400.00	1,333.58	66.42
Fuel .....	35,600.00	25,262.62	10,337.38
Telephones, Rentals of.....	8,200.00	6,336.00	1,864.00
Special Contract Obligations.....	7,900.00	5,706.13	2,193.87
Borough of Queens.			
Salaries—			
Bureau of Chief of Department.....	28,300.00	28,300.00	.....
Engine and Hook and Ladder Companies....	529,540.00	520,786.48	8,753.52
General Supplies .....	25,360.00	12,632.02	12,727.98
Materials for Repairs and Replacements by De- partment Labor.....	6,540.00	3,820.24	2,719.76
Repairs and Replacements by Contracts or Open Orders .....	3,500.00	2,064.14	1,435.86
Apparatus, Machinery, Vehicles, Horses, Equip- ment, Care and Storage of Same.....	32,415.00	12,233.23	20,181.77
Contingencies .....	250.00	178.68	71.32
Fuel .....	7,700.00	2,788.75	4,911.25
Telephones, Rentals of.....	2,000.00	1,355.54	644.46
Maintenance and Extension of the Fire Alarm System, Including Apparatus for Volunteer Companies .....			
General Supplies.....	12,000.00	5,170.55	6,829.45

Title of Appropriation.	Appropriation for the Year, Including Transfers.	Total Vouchers Certified to Comptroller.	Balance.
Materials for Repairs and Replacements by Department Labor.....	800.00	518.96	281.04
Apparatus, Machinery, Vehicles, Horses, Equipment, Care and Storage of Same.....	4,610.00	4,186.00	424.00
Fuel .....	440.00	244.80	195.20
Hired Teams, Horses and Carts.....	900.00	522.50	377.50
Contingencies .....	250.00	94.47	155.53
Maintenance of Volunteer System (Section 722), Greater New York Charter.....	41,000.00	40,615.55	384.45
Total .....	\$8,039,565.50	\$7,464,272.42	\$575,293.08
BOND ISSUES.			
Boroughs of Manhattan, The Bronx and Richmond, General Administration, Salaries and Wages, Deficiency in Appropriation—			
Office of the Commissioner.....	\$2,829.16	\$2,756.75	\$72.41
Repair Shops.....	11,653.75	10,516.83	1,136.92
Office of the Superintendent.....	2,406.66	2,390.00	16.66
Borough of Manhattan, Administration—			
Fire Alarm Telegraph.....	5,131.66	4,080.26	1,051.40
For Payment of Claims for Volunteer Firemen of the Former Village of Eastchester for the Year Ending Sept. 30, 1908.....	720.00	720.00	.....
For Claim of Matthew J. Cahill Against Fire Department .....	175.00	.....	175.00
Purchase of Fire Hose, Boroughs of Manhattan, The Bronx and Richmond.....	75,000.00	.....	75,000.00
Boroughs of Brooklyn and Queens—General Administration, Salaries and Wages, Deficiency in Appropriation—			
Repair Shops.....	5,565.33	4,747.20	818.13
Fire Alarm Telegraph.....	225.00	225.00	.....
Purchase of Fire Hose, Volunteer Companies .....	3,000.00	.....	3,000.00
Purchase of Fire Hose, Brooklyn.....	75,000.00	.....	75,000.00
Maintenance Rosedale Chemical Fire Engine Company .....	1,200.00	1,200.00	.....
CORPORATE STOCK.			
Sites and Buildings—Alterations to Headquarters Building, Manhattan.....	100,021.26	2,538.60	97,482.66
Fire Alarm Telegraph, Manhattan—Plans and Specifications for a New System.....	100,000.00	.....	100,000.00
Total .....	\$382,927.82	\$29,174.64	\$353,753.18

## BOROUGHES OF MANHATTAN, THE BRONX AND RICHMOND.

## Personnel, Etc.

On December 31, 1909, the active personnel of the department in these boroughs numbered 3,097, the fire extinguishing force comprising 2,686 members, assigned with the exception of 42 chief officers, to the companies of the 22 battalions. The companies are classified as follows:

Engine companies .....	89
Hook and ladder companies .....	45
Hose companies .....	1
Fireboats .....	8
Total .....	143

Of the above companies six are known as combination companies, each equipped with an engine and hook and ladder truck and hose wagon. Ten of the engine and nine of the hook and ladder companies are known as double companies, provided with two sets of apparatus, one of which remains in quarters while the other is absent in response to an alarm. Three of the engine companies are known as high-pressure companies, two of them each supplied with two high-pressure hose wagons (one an automobile hose wagon) and the third with two high-pressure hose wagons, in addition to an engine and an ordinary hose wagon. One of the engine companies and two of the hook and ladder companies have each a water tower assigned to them. One engine company and one hook and ladder company are each equipped with a searchlight engine.

Office of Commissioner—		Cleaners .....	2	
Commissioner .....	1	Elevator Attendant..	1	
Deputy Commissioner	1			36
Secretary of Department .....	1	Bureau Chief of Department, Uniformed Force—		
Assistant Secretary of Department .....	1	Chief of Department.	1	
Secretary to Commissioner .....	1	Deputy Chiefs of Department .....	9	
Bookkeeper .....	1	Chiefs of Battalion ..	26	
Clerks .....	7	Medical Officers .....	6	
Court Stenographer ..	1	Foremen (Captains) ..	144	
Stenographers and Typewriters .....	4	Assistant Foremen (Lieutenants) .....	212	
Storekeeper .....	1	Engineers of Steamer	244	
Inspector of Fuel ..	1	Marine Engineers ...	5	
Messenger .....	1	Pilots .....	12	
Engineman .....	1	Firemen, first grade..	1,364	
Watchman .....	2	Firemen, second grade	328	
Stokers .....	2	Firemen, third grade.	171	
Laborers .....	7	Firemen, fourth grade	133	

Firemen, probationary	31		Mason	1
	2,686		Drivers	5
Chaplains	2		Stablemen	2
Bureau Chief of Department, Un-				97
uniformed Force—			Repair Shops—	
Foreman Ship Carpen-			Clerks	6
ter	1		Bookkeeper	1
Stokers	49		Foremen of Repair	
	50		Shops	2
Bureau Chief of Department, Cler-			Foreman Machinist	1
ical Force—			Machinists	13
Clerks	2		Machinist's Helpers	3
Stenographers and			Machinist's Appren-	
Typewriters	2		tice	1
Draughtsman	1		Foreman Steamfitter	1
	5		Steamfitters	2
Bureau of Combustibles—			Foreman Blacksmith	1
Inspector of Combus-			Blacksmiths	5
tibles	1		Blacksmith's Helpers	4
Oil Surveyors	16		Foreman Wheelwright	1
Cashier	1		Wheelwrights	5
Clerks	3		Foreman Harness Ma-	
Stenographer and			ker	1
Typewriter	1		Harness Makers	2
	22		Foreman Saw Filer	1
Bureau of Fire Marshal—			Foreman Painter	1
Fire Marshal	1		Painters	2
Assistant Fire Mar-			House Painters	2
shals	10		Letterer and Painter	1
Interpreter	1		Wagon Painter	1
Clerk	1		Carriage Painters	2
Stenographer and			Painters and Stripers	3
Typewriter	1		Stripers	4
	14		Varnishers	2
Fire Alarm Telegraph Bureau—			Brass Finishers	5
Chief Inspector	1		Nickel Platers	2
Inspectors of Fire			Mechanic	1
Alarm Boxes	2		Boiler Maker	1
Telegraph Operators	27		Lamp Maker	1
Telephone Operators	2		Core Maker	1
Temporary Telephone			Carriage Body Maker	1
Operators	3		Pattern Makers	2
Foreman	1		Carpenters	3
Instrument Makers	2		Upholsterers	1
Batteryman	11		Hose Repairers	4
Batteryman's Assist-			Rubber Tire Repairers	4
ants	5		Moulders	3
Foremen of Cable			Toolman	1
Splicers	2		Drivers	7
Cable Splicers	6		Foreman Hostler	1
Wiremen	8		Hostlers	3
Foreman of Linemen	1		Watchmen	2
Linemen	15		Stokers	2
Painters	3		Elevatorman	1
			Foremen of Laborers	2
			Laborers	9

Superintendent of Buildings		Painters .....	2	
Branch—		Ship Caulker .....	1	
Superintendent .....	1	Caulker .....	1	
Assistant Superintendent .....	1	Engineman .....	1	
Clerk .....	1	Drivers .....	2	
Stenographer and		Pipe Fitter's Helper ..	1	
Typewriter .....	1	Laborer .....	1	37
Architectural Draughts-				
men .....	5	Hospital and Training Stables—		
Inspectors of Build-		Veterinarian .....	1	
ings .....	4	Foreman Hostler ...	1	
Inspector of Masonry		Foreman of Laborers	1	
Construction .....	1	Drivers .....	10	
Plumbers .....	3	Hostlers .....	9	
Carpenters .....	7	Stableman .....	1	23
Tinsmiths .....	3			
Foreman House Paint-				
er .....	1	Aggregate .....		3,097

## Recapitulation.

Office of Commissioner .....	36
Bureau Chief of Department, uniformed force .....	2,686
Bureau Chief of Department, ununiformed force .....	50
Bureau Chief of Department, Chaplains .....	2
Bureau Chief of Department, clerical force .....	5
Bureau of Combustibles .....	22
Bureau of Fire Marshal .....	14
Fire Alarm Telegraph Bureau .....	97
Repair Shops .....	125
Superintendent of Buildings Branch .....	37
Hospital and Training Stables .....	23
Total .....	3,097

## Changes in Personnel—Non-Uniformed Force.

Appointed—		Tinsmiths and Roof-	
Veterinarian .....	1	ers .....	1
Clerks .....	3	Foreman Painter ...	1
Stenographer and		House Painters .....	2
Typewriter .....	1	Striper and Painter ..	1
Assistant Fire Mar-		Striper .....	1
shals .....	2	Letterer and Painter ..	1
Oil Surveyor .....	1	Licensed Fireman ...	1
Pilots .....	2	Drivers .....	3
Telephone Operator ..	1	Laborers .....	2
Temporary Telephone			40
Operators .....	4	Reinstated—	
Rubber Tire Repairer	1	Rubber Tire Repairer	1
Carpenter .....	1	Promoted—	
Machinist .....	1	Batteryman to Tele-	
Nickel Plater .....	1	graph Operator ...	1
Wheelwright .....	1	Resigned—	
Core Maker .....	1	Assistant Fire Marshal	1
Hose Repairer .....	1	Clerk .....	1
Patternmaker .....	1	Rubber Tire Repairers	2
Cable Splicer .....	1	Telegraph Operator ..	1
Batterymen's Assistant	3		

Telephone Operator .	1		Stokers, Department	
Batteryman's Assist-			of Docks and Fer-	
ant .....	1		ries to this depart-	
Stoker .....	1		ment in the same ca-	
Driver .....	1		capacity .....	2
		9	Telegraph Operator	
Dismissed—			from Fire Depart-	
Assistant Fire Mar-			ment to Department	
shal .....	1		of Water Supply,	
			Gas and Electricity	
Dropped from Rolls—			in the same capacity	1
Temporary Telephone			Telephone Operator	
Operator .....	1		from Fire Depart-	
Licensed Fireman ...	1		ment to office Presi-	
		2	dent, Borough of	
Transferred—			The Bronx, in the	
From one department to another:			same capacity ....	1
Clerks, Tenement			Nickel Plater, Fire	
House Department			Department to De-	
to this department			partment of Water	
in the same capacity	2		Supply, Gas and	
Clerk, Health Depart-			Electricity, in ca-	
ment to this depart-			capacity of Oiler ....	1
ment in the same ca-			Driver from Fire De-	
capacity .....	1		partment of Street	
Clerk, Department			Cleaning in the	
Water Supply, Gas			same capacity .....	1
and Electricity to				16
this department in			Within the Department—	
the same capacity..	1		Secretary of Relief	
Climber and Pruner			Fund to Clerk,	
from Department of			Headquarters .....	1
Parks, Brooklyn, to			Driver from Repair	
Wireman in this de-			Shops to Superin-	
partment .....	1		tendent of Buildings	
Blacksmith's Helper,			Branch .....	1
Department of			Driver from Superin-	
Parks, Bronx, to			tendent of Buildings	
this department in			Branch to Repair	
the same capacity..	1		Shops .....	1
Laborer Department			Driver Repair Shops	
of Parks, Manhat-			to Stoker therein ..	1
tan, to this depart-			Driver Repair Shops	
ment as Stoker ...	1		to Laborer therein .	1
Driver from Depart-			Assistant Batteryman	
ment of Street			Fire Alarm Tele-	
Cleaning to this de-			graph Bureau to	
partment in the			Batteryman therein	1
same capacity .....	1			6
Driver from Depart-			Died—	
ment of Street			Clerk .....	1
Cleaning to this de-			Oil Surveyor .....	1
partment in capacity			Carpenter .....	1
of Stoker .....	1		Watchman .....	1
Hostler, Street Clean-			Stableman .....	1
ing Department, to				5
this Department in				81
capacity of Driver.	1			



## BOROUGHES OF BROOKLYN AND QUEENS.

## Personnel, Etc.

On December 31, 1909, the active personnel of the department in these boroughs numbered 1,796, the fire extinguishing force comprising 1,664, assigned, with the exception of 35 chief officers, to the 111 companies of the 20 battalions.

The companies are classified as follows:

Engine companies .....	73
Hook and ladder companies .....	29
Hose companies .....	7
Fireboats .....	2
Total .....	111

Of the above companies 12 are known as combination companies, each equipped with an engine, hose wagon and hook and ladder truck. Three of the engine companies are known as double companies, one equipped with two engines, two hose wagons and one hook and ladder truck, and two each equipped with two engines and two hose wagons. One of the single engine companies is equipped with a chemical engine and one with a searchlight engine. One of the hook and ladder trucks has a water tower assigned to it.

## Office of Deputy Commissioner—

Deputy Commissioner	1
Secretary to Deputy Commissioner .....	1
Clerks .....	2
Examiner of Accounts	1
Stenographer .....	1
Inspector of Buildings	1
Architectural Draughtsmen .....	2
Messenger .....	1
Elevator Attendant ..	1
Cleaners .....	4
Laborers .....	3

18

## Bureau Chief of Department (Uniformed Force)—

Deputy Chief in charge .....	1
Deputy Chiefs of Department .....	5
Chiefs of Battalion ..	24
Medical Officers .....	5
Foremen (Captains) ..	114

## Assistant Foremen

(Lieutenants) .....	148
Engineers of Steamer	182
Marine Engineer .....	1
Pilots .....	3
Firemen	
1st grade .....	962
2d grade .....	102
3d grade .....	53
4th grade .....	51
Probationary ..	13

—1,181

1,664

Chaplains .....

2

## Bureau Chief of Department (Ununiformed Force)—

Stokers .....

6

## Bureau Chief of Department (Clerical Force)—

Clerk .....	1
Stenographers .....	2

3

## Bureau of Combustibles—

Assistant Inspector of Combustibles .....	1
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Cashier .....	1		Repair Shops—	
Clerk .....	1		Blacksmiths .....	3
Oil Surveyors .....	8		Wheelwrights .....	2
		11	Machinists .....	3
Bureau of Fire Marshal—			Plumbers .....	2
Fire Marshal .....	1		Carpenters .....	5
Assistant Fire Marshals .....	2		Painters .....	3
Inspector .....	1		Bricklayer .....	1
Assistant Inspector ..	1		Tinsmith .....	1
Stenographer .....	1		Roofer .....	1
Clerks .....	2		Tinsmith and Roofer ..	1
		8	Sailmaker .....	1
Fire Alarm Telegraph Bureau—			Harnessmaker .....	1
Telegraph Operators ..	2		Machinist's Helper ..	1
Cable Splicers .....	2		Blacksmiths' Helpers ..	2
Inspector of Fire			Hose Repairer .....	1
Alarm Boxes .....	1		Hose Repairer's Helper ..	1
Foreman Lineman ..	1		Toolmen .....	5
Linemen .....	17		Helpers .....	2
Batterymen .....	10		Laborers .....	5
Groundmen .....	2		Driver .....	1
Laborers .....	2		Letterer .....	1
		37		43
			Hospital and Training Stables—	
			Stablemen .....	4
			Total .....	1,796

### Recapitulation.

Office of Deputy Commissioner .....	18
Bureau of Chief of Department, uniformed force .....	1,664
Bureau Chief of Department, ununiformed force .....	6
Bureau Chief of Department, Chaplains .....	2
Bureau Chief of Department, clerical force .....	3
Bureau of Combustibles .....	11
Bureau of Fire Marshal .....	8
Fire Alarm Telegraph .....	37
Repair Shops .....	43
Hospital and Training Stables .....	4
Total .....	1,796

### Changes in Personnel—Non-Uniformed Force.

Appointed—		Dismissed—	
Examiner of Accounts ..	1	Carpenters .....	3
Clerk .....	1	Bricklayer .....	1
Blacksmith .....	1		4
Tinsmith and Roofer ..	1	Transferred within the Department—	
	5	Tinsmith and Roofer from Repair Shops, Brooklyn, to Division of Buildings, Manhattan .....	1
Reinstated—		Died—	
Carpenters .....	3	Examiner of Accounts ..	1
Bricklayer .....	1		
	4	Total .....	17
Resigned—			
Clerk .....	1		
Carpenter .....	1		
	2		



## BUREAU OF CHIEF OF DEPARTMENT.

## Report for the Year Ending December 31, 1909.

On December 31, 1909, the total membership of the uniformed force in all boroughs was 4,350 officers and men, an increase of 106 over the number on December 31, 1908. The fire extinguishing force at the close of 1909 consisted of 172 engine companies, 73 hook and ladder companies, 8 hose companies and 4 water towers, assigned to 42 battalions and 13 divisions.

On October 15, 1909, Hose Company 7, Jamaica, borough of Queens, was disbanded and Engine Company No. 175 organized in its stead. 13,359 alarms were responded to, a decrease of 734 as compared with 1908.

During the year 1909 there were 228 appointments of probationary firemen and 2 of pilots, a total of 230; 79 promotions, 13 resignations, 16 dismissals, 17 reinstatements, 26 deaths on the active list; 53 retirements after 20 years or longer service, and 31 for disability. There were also 25 deaths of retired members of the uniformed force.

Company, Organization, Kind and Number of Apparatus, Number of Alarms Responded to and Number of Fires at Which Duty Was Performed.  
Boroughs of Manhattan, The Bronx and Richmond.

Company.	Engines.	Four-wheeled Wagons.	Hose Two-wheeled Wagons.	Hook and Ladder Trucks.	High Pressure Automobile Wagons.	Water Towers.	Alarms Responded to.	Fires Performed Duty at.	Officers and Men.	Remarks.
Engine 1.....	1	1	..	..	..	..	275	62	18	
Engine 2.....	1	1	..	..	..	..	238	52	17	
Engine 3.....	1	1	..	..	..	..	206	51	17	
Engine 4.....	1	1	..	..	..	..	122	41	16	
Engine 5.....	2	2	..	..	..	..	439	71	32	
Engine 6.....	1	1	..	..	..	..	113	33	17	
Engine 7.....	2	2	..	..	..	..	207	57	31	
Engine 8.....	1	1	..	..	..	..	223	55	17	Hose wagon equipped with turret pipe.
Engine 9.....	1	1	..	..	..	..	519	82	17	
Engine 10.....	1	1	..	..	..	..	71	32	17	
Engine 11.....	1	1	..	..	..	..	560	123	18	
Engine 12.....	1	1	..	..	..	..	274	76	20	
Engine 13.....	2	2	..	..	..	..	367	100	30	
Engine 14.....	1	1	..	..	..	..	339	89	18	
Engine 15.....	1	1	..	..	..	..	561	112	18	
Engine 16.....	2	1	..	..	..	..	274	78	32	
Engine 17.....	1	1	..	..	..	..	791	126	17	
Engine 18.....	1	3	..	..	..	..	314	75	30	One high pressure hose wagon.

Company.	Engines.	Four-wheeled Wagons.	Hose Two-wheeled Wagons.	Hose Hook and Ladder Trucks.	High Pressure Automobile Wagons.	Water Towers.	Alarms Responded to.	Fires Performed Duty at.	Officers and Men.	Remarks.
Engine 19.....	1	1	..	..	..	..	287	53	18	
Engine 20.....	..	2	..	..	..	..	308	52	34	Hose wagons, high pressure engine, S. L.
Engine 21.....	1	1	..	..	..	..	226	52	19	
Engine 22.....	1	1	..	..	..	..	650	93	18	
Engine 23.....	1	1	..	..	..	..	310	64	17	
Engine 24.....	1	1	..	..	..	..	262	52	18	
Engine 25.....	1	1	..	..	..	..	602	83	16	
Engine 26.....	2	2	..	..	..	..	339	73	31	
Engine 27.....	..	2	..	..	..	..	185	31	31	One high pressure hose wagon.
Engine 28.....	2	1	..	..	..	..	350	74	17	
Engine 29.....	1	1	..	..	..	..	140	30	20	
Engine 30.....	1	3	..	..	..	..	293	102	42	One high pressure hose wagon.
Engine 31.....	2	3	..	..	..	1	295	87	35	
Engine 32.....	1	1	..	..	..	..	161	47	16	
Engine 33.....	2	2	..	..	..	..	366	100	37	
Engine 34.....	1	1	..	..	..	..	244	38	16	
Engine 35.....	1	1	..	..	..	..	758	154	18	
Engine 36.....	1	1	..	..	..	..	450	66	17	Hose wagon equipped with turret pipe.
Engine 37.....	1	1	..	..	..	..	297	68	15	
Engine 38.....	1	1	..	..	..	..	189	37	16	
Engine 39.....	1	1	..	..	..	..	300	54	17	
Engine 40.....	1	1	..	..	..	..	239	59	15	Hose wagon equipped with turret pipe.
Engine 41.....	1	2	..	..	..	..	274	86	15	
Engine 42.....	1	1	..	..	..	..	219	27	17	
Engine 43.....	1	1	..	..	..	..	25	12	12	
Engine 44.....	1	1	..	..	..	..	356	83	18	
Engine 45.....	2	1	..	1	..	..	56	14	17	
Engine 46.....	1	1	..	..	..	..	152	55	14	
Engine 47.....	1	1	..	..	..	..	221	42	16	
Engine 48.....	1	1	..	..	..	..	79	25	12	
Engine 49.....	4	2	5	5	..	..	1	..	18	Also seven two-wheel jumpers.
Engine 50.....	1	1	..	..	..	..	180	31	14	Hose wagon equipped with turret pipe.
Engine 51.....	1	..	..	..	..	..	95	4	20	Fireboat "Zophar Mills."
Engine 52.....	1	1	..	1	..	..	19	9	14	
Engine 53.....	1	1	..	..	..	..	787	262	16	Hose wagon equipped with turret pipe.
Engine 54.....	1	2	..	..	..	..	338	64	16	
Engine 55.....	1	1	..	..	..	..	422	83	19	
Engine 56.....	1	1	..	..	..	..	157	35	17	
Engine 57.....	1	..	..	..	..	..	157	14	28	Fireboat "The New Yorker."
Engine 58.....	1	1	..	..	..	..	613	143	17	Hose wagon equipped with turret pipe.
Engine 59.....	1	1	..	..	..	..	229	86	17	
Engine 60.....	1	1	..	..	..	..	269	47	21	Hose wagon equipped with turret pipe.
Engine 61.....	1	1	..	..	..	..	39	26	12	Combination hose and chemical wagon.
Engine 62.....	1	1	..	1	..	..	25	10	17	

Company.	Engines.	Four-wheeled Wagons.	Hose Two-wheeled Wagons.	Hose Hook and Ladder Trucks.	High Pressure Automobile Wagons.	Water Towers.	Alarms Responded to.	Fires Performed Duty At.	Officers and Men.	Remarks.
Engine 63.....	1	1	..	..	..	..	34	18	9	Combination hose and chemical wagon.
Engine 64.....	1	1	..	..	..	..	45	27	10	
Engine 65.....	1	1	..	..	..	..	288	59	17	Fireboat "William L. Strong."
Engine 66.....	1	..	..	..	..	..	278	14	18	
Engine 67.....	1	1	..	..	..	..	74	25	12	Combination hose and chemical wagon.
Engine 68.....	1	1	..	..	..	..	37	7	12	
Engine 69.....	1	2	..	1	..	..	13	9	16	
Engine 70.....	1	1	..	1	..	..	10	5	15	
Engine 71.....	1	1	..	..	..	..	148	29	17	
Engine 72.....	..	1	..	..	1	..	290	60	33	High pressure hose wagon.
Engine 73.....	1	2	..	..	..	..	130	49	15	Hose wagon equipped with turret pipe.
Engine 74.....	1	1	..	..	..	..	169	20	16	
Engine 75.....	1	1	..	..	..	..	49	22	15	
Engine 76.....	2	2	..	..	..	..	182	35	30	
Engine 77.....	1	..	..	..	..	..	137	6	19	
Engine 78.....	1	..	..	..	..	..	234	16	24	Fireboat "Abram S. Hewitt."
Engine 79.....	1	2	..	..	..	..	34	10	11	Fireboat "Geo. B. McClellan."
Engine 80.....	2	2	..	..	..	..	203	63	29	
Engine 81.....	1	1	..	..	..	..	23	12	12	Hose wagon equipped with turret pipe.
Engine 82.....	1	1	..	..	..	..	113	29	15	
Engine 83.....	1	1	..	..	..	..	167	42	18	
Engine 84.....	1	1	..	..	..	..	111	26	14	
Engine 85.....	1	..	..	..	..	..	120	8	29	
Engine 86.....	1	..	..	..	..	..	179	12	31	Fireboat James Duane."
Engine 87.....	1	..	..	..	..	..	228	9	22	Fireboat "Thos. Willett."
Engine 88.....	1	1	..	..	..	..	67	25	12	Fireboat "C. W. Lawrence."
Engine 89.....	1	1	..	..	..	..	506	79	18	
Engine 201.....	2	2	..	..	..	..	12	6	14	Four-wheel tender.
Engine 202.....	1	1	..	..	..	..	15	6	12	
Engine 203.....	1	1	..	..	..	..	32	11	12	
Engine 204.....	2	1	..	..	..	..	42	14	13	
Engine 205.....	1	1	..	..	..	..	31	14	12	
Engine 206.....	1	1	..	..	..	..	48	15	12	
Engine 207.....	1	1	..	..	..	..	47	16	12	
Engine 208.....	2	2	..	..	..	..	29	16	12	
Hose 1.....	..	2	..	..	..	..	2	..	7	
Hook and Ladder 1..	..	..	..	1	..	..	298	55	17	
Hook and Ladder 2..	..	..	..	1	..	..	261	155	19	
Hook and Ladder 3..	..	..	..	1	..	1	481	305	24	
Hook and Ladder 4..	..	..	..	1	..	..	381	200	19	
Hook and Ladder 5..	..	..	..	2	..	..	291	168	26	
Hook and Ladder 6..	..	..	..	1	..	..	558	359	17	
Hook and Ladder 7..	..	..	..	1	..	..	276	143	18	
Hook and Ladder 8..	..	..	..	2	..	..	217	159	27	
Hook and Ladder 9..	..	..	..	1	..	..	529	307	18	
Hook and Ladder 10..	..	1	..	1	..	..	156	114	19	
Hook and Ladder 11..	..	..	..	1	..	..	555	309	17	

Company.	Engines.	Four-wheeled Wagons.	Hose Wagons.	Hook and Trucks.	High Pressure Automobile Wagons.	Water Towers.	Alarms Responded to.	Fires Performed Duty At.	Officers and Men.	Remarks.
Hook and Ladder 12.	..	..	..	1	..	..	318	207	18	
Hook and Ladder 13.	..	..	..	1	..	..	663	281	18	
Hook and Ladder 14.	..	..	..	1	..	..	610	217	20	
Hook and Ladder 15.	..	..	..	1	..	..	113	83	17	
Hook and Ladder 16.	..	..	..	1	..	..	309	197	19	
Hook and Ladder 17.	..	..	..	3	..	..	272	156	32	
Hook and Ladder 18.	..	..	..	1	..	..	877	367	18	
Hook and Ladder 19.	..	..	..	1	..	..	174	93	14	Also chemical engine.
Hook and Ladder 20.	..	..	..	2	..	..	457	285	28	
Hook and Ladder 21.	..	..	..	2	..	..	277	155	27	
Hook and Ladder 22.	..	..	..	2	..	..	213	104	27	
Hook and Ladder 23.	..	..	..	1	..	..	167	90	15	
Hook and Ladder 24.	1	..	..	1	..	1	385	168	28	Engine (searchlight).
Hook and Ladder 25.	..	..	..	1	..	..	226	83	18	
Hook and Ladder 26.	..	..	..	2	..	..	850	620	26	
Hook and Ladder 27.	..	..	..	1	..	..	148	82	14	
Hook and Ladder 28.	..	..	..	2	..	..	197	108	28	
Hook and Ladder 29.	..	..	..	1	..	..	179	75	17	
Hook and Ladder 30.	..	..	..	1	..	..	352	179	16	
Hook and Ladder 31.	..	..	..	1	..	..	111	60	14	
Hook and Ladder 32.	..	..	..	2	..	..	208	95	14	
Hook and Ladder 33.	..	..	..	1	..	..	47	25	11	
Hook and Ladder 34.	..	..	..	1	..	..	124	64	14	
Hook and Ladder 35.	..	..	..	2	..	..	284	187	28	
Hook and Ladder 36.	..	..	..	1	..	..	26	13	11	
Hook and Ladder 37.	..	..	..	1	..	..	40	29	10	
Hook and Ladder 38.	..	..	..	1	..	..	72	42	10	
Hook and Ladder 39.	..	..	..	1	..	..	504	274	17	
Hook and Ladder 101.	..	..	..	1	..	..	13	9	13	
Hook and Ladder 102.	..	..	..	1	..	..	28	24	12	
Hook and Ladder 103.	..	..	..	1	..	..	39	31	13	
Hook and Ladder 104.	..	..	..	1	..	..	32	28	15	
Hook and Ladder 105.	..	..	..	1	..	..	43	36	14	
Total .....									*2 644	

\*Does not include 42 chief officers.

## Boroughs of Brooklyn and Queens.

	Engines.	Number of Hose Wagons (4-Wheel, 2-Horse).	Number of Hook and Ladder Trucks (3-Horse).	Number of Hook and Ladder Trucks (2-Horse).	Number of Hook and Ladder Trucks (1-Horse).	Number of Alarms Responded to.	Number of Fires Performed Duty at.	Number of Officers and Men.
Engine Company 101.....	1	d 1	..	..	..	131	37	17
Engine Company 102.....	d 1	1	..	..	..	110	44	16
Engine Company 103.....	d 1	d 1	..	..	..	158	42	18
Engine Company 104.....	d 2	d 1	..	..	..	183	54	16
Engine Company 105.....	d 1	d 1	..	..	..	103	26	17
Engine Company 106.....	d 2	d 1	..	..	..	108	30	16
Engine Company 107.....	1	1	..	..	..	104	29	17
Engine Company 108.....	1	db 2	..	..	..	62	24	19
Engine Company 109.....	d 1	d 1	..	..	..	152	35	15
Engine Company 110.....	d 1	d 1	..	..	..	119	30	17
Engine Company 111.....	1	d 1	..	..	..	142	32	17
Engine Company 112.....	1	dc 2	..	..	..	139	42	18
Engine Company 113.....	d 1	d 1	..	..	..	281	75	15
Engine Company 114.....	1	d 1	..	..	..	139	39	15
Engine Company 115.....	1	1	..	..	..	88	41	19
Engine Company 116.....	d 1	d 1	..	..	..	329	86	17
Engine Company 117.....	d 1	d 1	..	..	..	227	68	13
Engine Company 118.....	1	d 1	..	..	..	191	66	15
Engine Company 119.....	2	d 1	..	..	..	114	39	16
Engine Company 120.....	d 1	d 1	..	..	..	133	34	15
Engine Company 121.....	m 2	d 1	..	..	..	163	41	19
Engine Company 122.....	d 1	d 1	..	..	..	146	54	17
Engine Company 123.....	e	..	..	..	..	69	18	18
Engine Company 124.....	d 1	d 1	..	..	..	69	23	17
Engine Company 125.....	1	d 1	..	..	..	209	65	15
Engine Company 126.....	d 1	d 1	..	..	..	182	41	17
Engine Company 127.....	1	1	..	..	..	246	53	15
Engine Company 128.....	1	d 1	..	..	..	166	58	15
Engine Company 129.....	2	d 1	..	..	..	107	49	13
Engine Company 130.....	d 1	d 1	..	..	..	263	69	15
Engine Company 131.....	d 1	d 1	..	..	..	369	177	17
Engine Company 132.....	f	..	..	..	..	264	13	a 19
Engine Company 133.....	d 1	d 1	..	..	..	343	69	16
Engine Company 134.....	1	1	..	..	..	124	38	14
Engine Company 135.....	1	d 1	..	..	..	158	54	16
Engine Company 136.....	1	d 1	..	..	..	120	32	14
Engine Company 137.....	1	d 1	..	..	..	223	77	15
Engine Company 138.....	1	d 1	..	..	..	116	37	15
Engine Company 139.....	1	d 1	..	..	..	190	70	14
Engine Company 140.....	1	d 1	..	1	..	74	26	20
Engine Company 141.....	1	d 1	..	1	..	119	27	16
Engine Company 142.....	1	1	..	1	..	41	21	19
Engine Company 143.....	1	1	..	1	..	49	17	17
Engine Company 144.....	1	d 1	..	1	..	35	11	14
Engine Company 145.....	g 2	d 2	..	..	..	51	9	22
Engine Company 146.....	g 2	{ h 1 }	..	..	1	58	20	21
Engine Company 147.....	1	1	..	1	..	67	32	16
Engine Company 148.....	1	d 1	..	1	..	73	30	18
Engine Company 149.....	1	d 1	..	..	..	50	19	14
Engine Company 150.....	1	1	..	1	..	64	28	15

	Engines.	Number of Hose Wagons (4-Wheel, 2-Horse).	Number of Hook and Ladder Trucks (3-Horse).	Number of Hook and Ladder Trucks (2-Horse).	Number of Hook and Ladder Trucks (1-Horse).	Number of Alarms Responded to.	Number of Fires Performed Duty at.	Number of Officers and Men.
Engine Company 151.....	g 2	{ d 1 }	..	..	..	58	20	23
Engine Company 152.....	1	d 1	..	..	..	124	34	15
Engine Company 153.....	2	1	..	1	..	43	13	15
Engine Company 154.....	1	1	..	..	..	28	16	11
Engine Company 155.....	1	1	..	1	..	44	20	13
Engine Company 156.....	d 1	d 1	..	..	..	107	29	17
Engine Company 157.....	1	1	..	1	..	97	24	20
Engine Company 158.....	d 1	{ d 1 }	..	..	..	85	25	14
Engine Company 159.....	1	d 1	..	..	..	36	12	13
Engine Company 160.....	2	h 2	..	..	..	32	6	13
Engine Company 161.....	1	1	..	..	..	40	14	13
Engine Company 162.....	{ m 1 }	1	..	i 1	..	59	18	14
Engine Company 163.....	1	d 1	..	..	..	50	15	13
Engine Company 164.....	a 2	h 3	..	1	..	33	21	13
Engine Company 165.....	1	1	..	..	..	21	15	12
Engine Company 166.....	1	1	..	..	..	25	10	13
Engine Company 167.....	d 1	1	..	..	..	22	10	10
Engine Company 168.....	1	1	..	..	..	14	4	15
Engine Company 169.....	d 1	d 1	..	..	..	186	66	14
Engine Company 170.....	1	1	..	..	..	20	4	12
Engine Company 171.....	1	d 1	..	..	..	99	31	15
Engine Company 172.....	1	1	..	..	..	24	11	12
Engine Company 173.....	m 1	..	..	..	..	38	20	10
Engine Company 174.....	m 1	..	..	..	..	14	5	8
Engine Company 175.....	1	1	..	..	..	27	8	11
Hook and Ladder Company 51	..	..	1	..	..	119	77	16
Hook and Ladder Company 52	..	..	1	..	..	397	156	14
Hook and Ladder Company 53	..	..	1	..	..	137	98	16
Hook and Ladder Company 54	..	..	d 1	..	..	365	167	17
Hook and Ladder Company 55	..	..	1	..	..	191	112	16
Hook and Ladder Company 56	..	..	1	..	..	119	78	14
Hook and Ladder Company 57	..	..	1	..	..	234	136	16
Hook and Ladder Company 58	..	..	d 1	..	..	487	348	18
Hook and Ladder Company 59	1	od 1	1	..	..	183	124	15
Hook and Ladder Company 60	..	..	d 1	..	..	237	89	16
Hook and Ladder Company 61	..	..	1	..	..	199	108	13
Hook and Ladder Company 62	..	..	1	..	..	135	74	16
Hook and Ladder Company 63	..	..	1	..	..	56	36	14
Hook and Ladder Company 64	..	..	d 1	..	..	121	70	15
Hook and Ladder Company 65	..	n 1	..	1	..	80	39	14
Hook and Ladder Company 66	..	..	..	1	..	96	36	14
Hook and Ladder Company 67	..	..	1	..	..	58	30	12
Hook and Ladder Company 68	..	..	{ d 1 }	..	..	200	88	19
Hook and Ladder Company 69	..	..	1	..	..	119	40	14
Hook and Ladder Company 70	..	..	d 1	d 1	..	367	228	15
Hook and Ladder Company 71	..	..	..	1	..	26	17	10
Hook and Ladder Company 72	..	..	1	..	..	151	55	13
Hook and Ladder Company 73	..	..	{ 1 }	..	..	282	121	16
Hook and Ladder Company 74	..	..	pk 1	..	..	183	80	14
Hook and Ladder Company 75	..	..	..	1	..	16	12	10
Hook and Ladder Company 76	..	..	..	1	..	25	21	10
Hook and Ladder Company 77	..	..	..	1	..	45	31	10
Hook and Ladder Company 79	..	..	..	1	..	33	29	11

	Engines.	Number of Hose Wagons (4-Wheel, 2-Horse).	Number of Hook and Ladder Trucks (3- Horse).	Number of Hook and Ladder Trucks (2- Horse).	Number of Hook and Ladder Trucks (1- Horse).	Number of Alarms Responded to.	Number of Fires Per- formed Duty at.	Number of Officers and Men.
Hook and Ladder Company 80	..	..	..	1	..	18	13	8
Hose Company 2.....	..	1	..	..	..	18	7	12
Hose Company 3.....	..	1	..	..	..	22	15	9
Hose Company 4.....	..	1	..	..	..	31	15	10
Hose Company 5.....	..	1	..	..	..	17	10	8
Hose Company 6.....	..	1	..	..	..	38	19	8
Hose Company 8.....	..	1	..	..	..	16	5	8
Hose Company 9.....	..	1	..	..	..	19	4	8
Total.....	..	..	..	..	..	..	..	†1,629

\*Including two uniformed pilots.

† Does not include chief officers, who number 35.

a Including 1 uniformed engineer and 1 uniformed pilot.

b Large 4-wheel wagon for fireboat "Abram S. Hewitt."

c Large 4-wheel wagon for fireboat "David A. Boody."

d Rubber tires.

e Fireboat "Seth Low."

f Fireboat "David A. Boody."

g Double company.

h Spare hose wagon.

i Spare hook and ladder truck.

k Water tower.

m Chemical engine.

n Large 4-wheel wagon for fireboat "David A. Boody."

o Large 4-wheel wagon for fireboat "Seth Low."

p Spare water tower.



BOROUGHES OF MANHATTAN,  
Classified Description of

Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
..	..	1	..	..	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8½	6	4⅞	7,510
..	1	..	..	..	Crane neck.....	Clapp patent, 60-inch by 30-inch .....	Double	7½	7	4⅝	6,485
..	1	..	..	..	Crane neck.....	Nest tube, 60-inch by 33-inch .....	Double	8¼	8	4¾	8,050
1	..	..	..	..	Crane neck.....	Sectional coil tube, 32-inch by 62-inch.....	Double	8½	7	5	7,890
1	..	..	..	..	Crane neck.....	Drop tube, 35-inch patent pen tube .....	Double	8½	7	5	8,368
..	..	1	..	..	Crane neck.....	Nest tube, 30-inch by 60-inch .....	Double	8½	6	4⅞	7,720
1	..	..	..	..	Crane neck.....	Nest tube, 64-inch by 35-inch .....	Double	8½	7	5	8,440
..	1	..	..	..	Crane neck.....	Nest tube, 62-inch by 32-inch .....	Double	6¼	8	4¼	6,210
..	1	..	..	..	Crane neck.....	Sectional coil, 60-inch by 32-inch .....	Double	7½	7	4⅝	7,600
..	..	1	..	..	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8½	6	4⅞	7,500
..	..	1	..	..	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double Drop tube, 62-inch by 31-inch	8¼	6	4⅞	7,420
..	..	1	..	..	Harp tank.....	Amoskeag, 28-inch by 60-inch .....	Single	7¼	9	4½	5,810
..	..	1	..	..	Straight frame...	30-inch by 60-inch Latta .....	Single	8	7	5	5,875
..	..	1	..	..	Harp tank.....	Nest tube, 28-inch by 60-inch .....	Single	7¼	9	4⅝	5,700
..	..	1	..	..	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8¼	6	4⅞	7,490
1	..	..	..	..	Crane neck.....	Water tube, 66-inch by 36-inch .....	Double	9	8	5½	9,610
1	..	..	..	..	Crane neck.....	66-inch by 36-inch....	Double	9	8	5½	9,285
..	1	..	..	..	Crane neck.....	Nest tube, 60-inch by 33-inch .....	Double	8¼	8	4¾	8,060
1	..	..	..	..	Crane neck.....	Vertical tube, 66-inch by 36-inch .....	Double	9	8	5½	9,547
..	..	..	1	..	Crane neck.....	Sectional tube, 62-inch by 30-inch .....	Double	9¼	6	5½	6,200
..	1	..	..	..	Crane neck.....	Nest tube, 62-inch by 33-inch .....	Double	7¾	8	4½	9,015
..	..	1	..	..	Crane neck.....	Nest tube, 62-inch by 32-inch .....	Double	7¼	8	4⅞	7,950
1	..	..	..	..	Crane neck.....	Sectional coil, 62-inch by 30-inch .....	Double	8	7	5	7,536



THE BRONX AND RICHMOND.  
Steam Fire Engines, Etc.

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1891	La France Manufac- turing Co. ....	202	.....	.....	12th Battalion
1883	Clapp & Jones Co..	415	1896	New boiler and rebuilt, American Fire En- gine Co. ....	10th Battalion
1892	La France Manufac- turing Co. ....	224	.....	.....	2d Battalion, spare
1882	Clapp & Jones Co...	385	1895	New boiler .....	3d Battalion, spare
1882	Clapp & Jones Co...	380	1895	New boiler and rebuilt, La France Co. ....	Engine 41
1890	La France Manufac- turing Co. ....	187	.....	.....	4th Battalion, spare
1882	Clapp & Jones Co...	383	1894	New boiler, La France Co. ....	Engine 23
1883	Ahrens Manufac- turing Co. ....	358	1894	New boiler and rebuilt, La France Co. ....	10th Battalion, spare
1885	Clapp & Jones Co...	463	1896	New boiler and rebuilt, Clapp & Jones.....	9th Battalion, spare
1891	La France Manufac- turing Co. ....	203	.....	.....	24th Battalion, Engine 97, spare
1889	La France Manufac- turing Co. ....	164	.....	.....	12th Battalion, spare
1877	Amoskeag Manufac- turing Co. ....	517	1895	New boiler, La France Co. ....	21st Battalion, spare
1883	Ahrens Manufac- turing Co. ....	354	1899	New boiler, American Fire Engine Co. ....	18th Battalion, spare
1887	Amoskeag Manufac- turing Co. ....	519	1888	New boiler, La France Co. ....	Engine 49
1889	La France Co.....	165	1889	.....	Engine 12
1898	American Fire En- gine Co. ....	2575	.....	.....	Engine 1
1897	American Fire En- gine Co. ....	2499	.....	.....	Engine 2
1892	La France Co. ....	232	.....	.....	Engine 3
1900	American Fire En- gine Co. ....	2684	.....	.....	Engine 4
1881	Clapp & Jones Co...	362	1896	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 205
1888	La France Co.....	147	1899	New boiler and rebuilt, La France Co.....	Engine 22
1900	La France Co.....	436	.....	.....	Engine 58
1880	Clapp & Jones Co..	352	1894	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 16

Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
1	.	.	.	.	Crane neck.....	Vertical tube, 66-inch by 36-inch .....	Double	9	8	5½	9,750
1	.	.	.	.	Crane neck.....	Sectional coil, 64-inch by 35-inch .....	Double	9	8	5½	9,225
1	.	.	.	.	Crane neck.....	Sectional coil, 66-inch by 36-inch .....	Double	9	8	5½	9,220
..	1	.	.	.	Crane neck.....	Nest tube, 60-inch by 33-inch .....	Double	8¾	8	4¾	8,170
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,010
1	.	.	.	.	Crane neck.....	Nest tube, 64-inch by 36-inch .....	Double	8¾	9	5½	9,890
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,300
1	.	.	.	.	Crane neck.....	Vertical tube, 66-inch by 32-inch .....	Double	9	8	5½	9,700
1	.	.	.	.	Crane neck.....	Nest tube, 62-inch by 36-inch .....	Double	8¾	9	5	8,750
1	.	.	.	.	Crane neck.....	Nest tube, 62-inch by 36-inch .....	Double	8¾	9	5	8,790
1	.	.	.	.	Crane neck.....	Sectional coil, 64-inch by 35-inch .....	Double	9	8	5½	8,490
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,290
..	.	1	.	.	Crane neck.....	Sectional tube, 62-inch by 32-inch .....	Double	7½	7	4½	7,870
..	.	.	1	.	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,255
..	1	.	.	.	Crane neck.....	Circular tube, 62-inch by 33-inch .....	Double	7¾	8	4¾	9,067
1	.	.	.	.	Crane neck.....	Sectional tube, 66-inch by 36-inch .....	Double	9	8	5½	9,473
1	.	.	.	.	Crane neck.....	Sectional tube, 64-inch by 35-inch .....	Double	9	8	5½	8,360
1	.	.	.	.	Crane neck.....	Sectional tube, 64-inch by 35-inch .....	Double	9	8	5½	8,155
..	.	1	.	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4¾	6,940
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4¾	7,284
..	.	1	.	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8¾	9	5¼	9.3
1	.	.	.	.	Crane neck.....	Sectional tube, 64-inch by 34-inch .....	Double	9	8	5½	9,850
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Single	9¼	9	5½	6,306
1	.	.	.	.	Crane neck.....	Sectional tube, 60-inch by 32-inch .....	Double	8½	7	5	7,790
..	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,306
1	.	.	.	.	Crane neck.....	Sectional tube, 64-inch by 35-inch .....	Double	9	8	5½	8,385
..	1	.	.	.	Crane neck. ....	Nest tube, 66-inch by 31-inch .....	Double	7¼	8	5½	8,810

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1900	American Fire En- gine Co. ....	2707	....	.....	Engine 8
1896	American Fire En- gine Co. ....	2456	....	.....	Engine 36
1897	American Fire En- gine Co. ....	2500	....	.....	Engine 10
1893	La France Co. ....	257	1896	New pumps, Repair Shops .....	7th Battalion
1881	Clapp & Jones Co...	370	1896	New boiler and rebuilt, La France Co. ....	Engine 202
1900	La France Co.....	434	....	.....	Engine 12
1884	Clapp & Jones Co...	432	1898	New boiler and rebuilt, La France Co. ....	Engine 201
1900	American Fire En- gine Co. ....	2708	....	.....	Engine 13
1895	La France Co.....	298	....	.....	Engine 15
1894	La France Co. ....	299	....	.....	Engine 15
1891	Clapp & Jones Co..	558	1906	Rebuilt, American-La La France Co. ....	Engine 18
1884	Clapp & Jones Co...	438	1898	New boiler and rebuilt, La France Co. ....	Engine 64
1900	American Fire En- gine Co. ....	2726	....	.....	Engine 17
1884	Clapp & Jones Co...	430	1899	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 204
1880	La France Co. ....	146	1899	New boiler and rebuilt, La France Co. ....	Engine 11
1899	American Fire En- gine Co. ....	2664	....	.....	Engine 19
1893	American Fire En- gine Co. ....	2220	....	.....	Engine 55
1892	American Fire En- gine Co. ....	2152	1898	.....	9th Battalion
1894	La France Co.....	297	1900	Repaired by La France Co. ....	Engine 41
1895	La France Co. ....	335	....	.....	Engine 67, rebuilt by American - La France Co., 1906
1896	La France Co. ....	369	....	.....	Engine 24
1891	Clapp & Jones Co...	559	1892	New tubes, American Fire Engine Co. ....	Engine 26
1884	Clapp & Jones Co...	436	1898	New boiler and rebuilt, La France Co.....	Engine 207
1882	Clapp & Jones Co...	381	1895	New boiler and rebuilt, American Fire En- gine Co. ....	11th Battalion
1884	Clapp & Jones Co...	434	1898	New boiler and rebuilt, La France Co. ....	Engine 203
1893	American Fire En- gine Co. ....	2221	1906	Rebuilt, American-La France Co. ....	Engine 14
1886	La France Co.....	108	1897	New boiler and rebuilt, La France Co. ....	Engine 28

Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
1	.	.	.	.	Crane neck.....	Nest tube, 65-inch by 36-inch .....	Double	8¾	9	5¼	9,545
1	.	.	.	.	Crane neck.....	Fox vertical, 66-inch by 36-inch .....	Double	9	8	5½	9,360
1	.	.	.	.	Crane neck.....	Sectional tube, 36-inch by 66-inch .....	Double	9	8	4½	9,670
1	.	.	.	.	Crane neck.....	Nest tube, 65-inch by 36-inch .....	Double	8¾	9	5¼	9,597
..	1	.	.	.	Crane neck.....	Nest tube, 60-inch by 33-inch .....	Double	8¾	8	4¾	7,920
..	1	.	.	.	Crane neck.....	Sectional tube, 62-inch by 32-inch .....	Double	7½	7	4½	7,346
*1	.	.	.	.	Crane neck.....	Sectional tube, 38-inch by 68-inch .....	Double	9½	8	5¾	11,100
1	.	.	.	.	Crane neck.....	Nest tube, 64-inch by 36-inch .....	Double	8¾	9	5¼	9,940
..	1	.	.	.	Crane neck.....	Sectional tube, 32-inch by 62-inch .....	Double	7½	7	4¾	7,739
1	.	.	.	.	Crane neck.....	Nest tube, 62-inch by 36-inch .....	Double	8¾	9	5	9,240
..	..	1	.	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8½	6	4¾	7,710
..	..	1	.	.	Crane neck.....	Sectional tube, 62-inch by 30-inch .....	Double	7	7	4¾	6,925
..	..	..	1	.	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Double	6½	7	4	6,590
..	..	..	1	.	Crane neck.....	Submerged flue, 60-inch by 28¾-inch .....	Double	6½	8	3¾	6,660
..	..	..	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4½	7,287
..	..	..	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4½	6,882
..	..	..	..	1	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Double	6½	7	4	6,610
..	..	1	.	.	Crane neck.....	C. & J., 62-inch by 32-inch .....	Double	8½	7	5	7,530
..	..	1	.	.	Crane neck.....	Sectional coil, 62-inch by 30-inch .....	Double	6¾	8	4½	6,210
..	..	..	1	.	Crane neck.....	Sectional tube, 62-inch by 32-inch .....	Double	7½	7	4½	7,560
..	..	..	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	8¾	6	4¾	7,450
..	..	..	..	1	Crane neck.....	Sectional tube, 30-inch by 60-inch .....	Double	9¾	6	5½	5,300
..	..	1	.	.	U tank.....	La France, 31-inch by 61-inch .....	Double	8	12	4¾	6,750
..	..	..	1	.	Crane neck.....	Submerged flues, 62-inch by 31-inch .....	Double	6½	8	4	7,200
..	..	..	..	1	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Double	7½	6	4¾	5,030
..	..	..	1	.	Crane neck.....	Sectional tube, 62-inch by 32-inch .....	Double	7½	7	4½	7,940

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1897	La France Co. ....	378	....	.....	1st Battalion
1890	Clapp & Jones Co...	544	1902	New boiler and rebuilt, International Fire Engine Co. ....	Engine 3
1904	International Fire Engine Co. ....	2976	....	.....	Engine 5
1899	La France Co. ....	411	....	.....	Engine 31
1893	La France Co. ....	258	....	.....	8th Battalion
1883	Clapp & Jones Co...	413	1896	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 5
1907	American-La France Fire Engine Co...	3154	....	.....	Engine 33
1900	La France Co. ....	435	....	.....	Engine 31
1887	Clapp & Jones Co...	491	1898	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 33
1896	La France Co. ....	348	....	.....	Engine 34
1890	La France Co. ....	186	1898	Repaired, La France Co. ....	Engine 13
1894	American Fire En- gine Co. ....	2296	....	.....	Engine 63
1898	American Fire En- gine Co. ....	2596	....	.....	Engine 45
1898	Amoskeag Manufac- turing Co. ....	739	....	.....	Engine 201
1895	La France Co. ....	336	....	.....	Engine 59
1892	La France Co. ....	233	....	.....	Engine 43
1898	American Fire En- gine Co. ....	2597	....	.....	Engine 208
1896	American Fire En- gine Co. ....	2432	....	.....	Engine 59
1883	Ahrens Manufac- turing Co. ....	360	1892	New boiler and rebuilt, La France Co. ....	Engine 208
1901	American Fire En- gine Co. ....	2802	....	.....	Engine 46
1889	La France Co. ....	163	....	.....	Engine 88
1881	Clapp & Jones Co...	371	....	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 81
1866	Amoskeag Manufac- turing Co. ....	159	1879	New boiler, Amoskeag Co. ....	Engine 49
1895	Manchester Locomo- tive Works ....	714	....	New boiler and rebuilt, La France Co. ....	Engine 49
1884	Clapp & Jones Co...	452	1899	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 52
1900	American Fire En- gine Co. ....	2727	....	.....	Engine 53

Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
1	.	.	.	.	Crane neck.....	Nest tube, 65-inch by 36-inch .....	Double	8¾	9	5¼	9,642
1	.	.	.	.	Crane neck.....	Sectional tube, 60-inch by 36-inch .....	Double	9	8	5½	9,448
.	.	1	.	.	Crane neck.....	Nest tube, 62-inch by 30-inch .....	Double	7¼	8	4½	7,930
.	.	1	.	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4½	6,935
.	.	1	.	.	Crane neck.....	Sectional tube, 62-inch by 30-inch .....	Double	7	7	4¾	6,925
.	.	1	.	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	7¼	8	4½	7,074
.	.	.	1	.	Crane neck.....	Nest tube, 62-inch by 31-inch .....	Double	9¼	6	5½	6,310
.	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	5,300
1	.	.	.	.	Crane neck.....	Nest tube, 65-inch by 36-inch .....	Double	8¾	9	5¼	9,600
.	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 28-inch .....	Double	6¾	7	4	6,670
.	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 28-inch .....	Double	6¾	7	4	6,590
.	.	.	.	1	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Single	7½	6	4¾	6,097
.	.	.	1	.	Crane neck.....	Sectional tube, 60-inch by 30-inch .....	Double	9¼	6	5½	6,315
1	.	.	.	.	Crane neck.....	Nest tube, 64-inch by 30-inch .....	Double	8¾	9	5¼	9,767
.	.	.	1	.	Crane neck.....	Nest tube, 60-inch by 30-inch .....	Double	9¼	6	5½	5,750
.	.	1	.	.	Crane neck.....	Sectional tube, 62-inch by 32-inch .....	Double	7½	7	4½	7,520
.	.	1	.	.	Crane neck.....	Fox tube, 30-inch by 60-inch .....	Double	6½	7	4	6,630
1	.	.	.	.	Crane neck.....	Submerged flue, 38-inch by 66-inch .....	Double	10	8	5½	10,300
1	.	.	.	.	Crane neck.....	Submerged flue, 38-inch by 66-inch .....	Double	10	8	5½	10,300
.	.	1	.	.	Crane neck.....	Submerged flue, 30-inch by 64-inch .....	Double	6½	8	4¾	7,600
*1	.	.	.	.	Crane neck.....	66-inch by 39-inch....	Double	9¾	8	5¾	11,240
In use from sunset to sunrise....					Searchlight.....	Nest tube, 60-inch by 28-inch .....	Single	5	5	..	7,300
In use from sunset to sunrise....					Searchlight.....	Nest tube, 60-inch by 26-inch .....	Single	5	5	..	7,360
Combination chemical engine and hose wagon (single tank).....										Charged,	4,090
Combination chemical engine and hose wagon (single tank).....										Not charged,	3,470
Chemical engine (double tank).....										Charged,	4,615

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1897	La France Co. ....	377	....	.....	Engine 54
1899	American Fire En- gine Co. ....	2663	....	.....	Engine 21
1900	La France Co. ....	437	....	.....	Engine 56
1893	La France Co. ....	256	....	.....	20th Battalion, spare
1894	American Fire En- gine Co. ....	2297	....	.....	13th Battalion
1895	La France Co. ....	321	....	.....	14th Battalion, spare
1881	Clapp & Jones Co...	365	1897	New boiler, La France Co. ....	Engine 61
1881	Clapp & Jones Co...	368	1896	New boiler, La France Co. ....	Engine 62
1898	La France Co. ....	395	....	.....	6th Battalion, spare
1898	La France Co. ....	400	....	.....	Engine 48
1898	La France Co. ....	399	....	.....	Engine 68
1882	Clapp & Jones Co...	397	1899	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 69
1884	Clapp & Jones Co...	433	1899	New boiler and rebuilt, American Fire En- gine Co. ....	Engine 70
1900	La France Co. ....	424	....	.....	Engine 29
1881	Clapp & Jones Co...	359	1896	New boiler and rebuilt, La France Co. ....	Engine 206
1901	International F. E. Co., American F. E. Co. ....	2803	....	.....	Engine 84
1901	International F. E. Co., American F. E. Co. ....	2801	....	.....	Engine 75
1903	W. S. Nott Co. ....	461	....	.....	Engine 49
1903	W. S. Nott Co. ....	460	....	.....	5th Battalion
1903	W. S. Nott Co. ....	427	....	.....	10th Battalion
1907	W. S. Nott Co. ....	625	....	.....	Engine 7
1900	La France Co. ....	1	....	1 Bullock marine type multipolar generator of 5 kilowatts, 2.18- inch projector lamps	Hook and Ladder 24
1901	La France Co. ....	2	....	1 Bullock marine type multipolar generator of 5 kilowatts, 1.16- inch projector and 1.16-inch reflector lamp	Engine 20
1885	Fire Engine Manu- facturing Co. ....	3	....	.....	Engine 61
1899	Rumsey & Co. ....	6	....	.....	Engine 64
1886	Fire Engine Manu-				



Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
Combination chemical engine and hose wagon (single tank).....								Not charged,		3,470	
..	2	..	..	..	Crane neck.....	Fox water tube, 34-inch by 64-inch.....	Double	8	8	4¾	8,889
..	2	..	..	..	Crane neck.....	Fox water tube.....	Double	8	8	4¾	8,875
..	..	..	4	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	6½	7	4	6,600
..	..	3	..	..	Crane neck.....	Fox water tube, 62-inch by 32-inch.....	Double	7½	7	..	7,500
1	..	..	..	..	Crane neck.....	Fox water tube, 66-inch by 36-inch.....	Double	9	8	5½	10,400
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,200
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,200
1	..	..	..	..	Crane neck.....	Fox water tube, 66-inch by 36-inch.....	Double	9	8	5½	10,400
..	..	..	4	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	6½	7	4	7,760
..	..	..	4	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	6½	7	4	7,760
..	..	..	4	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	6½	7	4	7,675
..	..	..	4	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	6½	7	4	7,675
..	..	3	..	..	Crane neck.....	Fox water tube, 62-inch by 32-inch.....	Double	7½	7	4½	8,030
..	..	3	..	..	Crane neck.....	Fox water tube, 62-inch by 32-inch.....	Double	7½	7	4½	8,030
..	2	..	..	..	Crane neck.....	Fox water tube, 60-inch by 30-inch.....	Double	..	..	..	8,900
..	..	3	..	..	Straight frame...	Fox water tube, 64-inch by 34-inch.....	Single	10	8	5¼	.....
1	..	..	..	..	Crane neck.....	Fox water tube, 66-inch by 36-inch.....	Double	9	8	5½	10,250
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,400
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,400
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,100
..	2	..	..	..	Crane neck.....	Fox water tube, 64-inch by 34-inch.....	Double	8	8	4¾	9,100
1	..	..	..	..	Crane neck.....	Fox water tube, 36-inch by 66-inch.....	Double	9	8	5½	10,250
..	..	..	4	..	Crane neck.....	Vertical spiral tube, 30-inch by 60-inch.....	Double	6½	8	4½	7,800
..	..	3	..	..	Crane neck.....	Fox water tube, 32-inch by 62-inch.....	Double	7½	7	4½	8,190
..	..	3	..	..	Crane neck.....	Fox water tube, 32-inch by 62-inch.....	Double	7½	7	4½	8,190
..	..	..	4	..	Crane neck.....	Vertical spiral tube, 30-inch by 60-inch.....	Double	6½	8	4½	7,800
1	..	..	..	..	Crane neck.....	Fox water tube, 36-inch by 66-inch.....	Double	9	8	5½	9,930
..	..	..	4	..	Crane neck.....	Vertical spiral tube, 30-inch by 60-inch.....	Double	6½	8	4½	7,800



When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1899	facturing Co. .... Rumsey & Co. ....	1 7	.... ....	.... ....	Hook and Ladder 19 Engine 70
1904	International Fire Engine Co. ....	2953	....	....	Engine 76
1904	International Fire Engine Co. ....	2954	....	....	Engine 76
1905	American-La France Fire Engine Co. ..	3039	....	....	Engine 79
1905	American-La France Fire Engine Co. ..	3038	....	....	Engine 50
1905	American-La France Fire Engine Co. ..	3034	....	....	Engine 9
1905	American-La France Fire Engine Co. ..	3036	....	....	Engine 35
1905	American-La France Fire Engine Co. ..	3037	....	....	Engine 47
1905	American-La France Fire Engine Co. ..	3035	....	....	Engine 30
1905	American-La France Fire Engine Co. ..	3062	....	....	Engine 73
1905	American-La France Fire Engine Co. ..	3063	....	....	Engine 80
1905	American-La France Fire Engine Co. ..	3065	....	....	Engine 80
1905	American-La France Fire Engine Co. ..	3066	....	....	Engine 38
1905	American-La France Fire Engine Co. ..	3073	....	....	Engine 82
1905	American-La France Fire Engine Co. ..	3074	....	....	Engine 83
....	La France Fire En- gine Co. ....	430	....	....	Engine 26
1905	Clapp & Jones ....	103	....	....	Engine 204
1906	American-La France Fire Engine Co. ..	3103	....	....	Engine 6
1906	American-La France Fire Engine Co. ..	3105	....	....	Engine 40
1906	American-La France Fire Engine Co. ..	3106	....	....	Engine 7
1906	American-La France Fire Engine Co. ..	3071	....	....	Engine 16
1906	American-La France Fire Engine Co. ..	3172	....	....	Engine 25
1906	American-La France Fire Engine Co. ..	3104	....	....	Engine 32
1906	Nott Fire Engine Co	660	....	....	Engine 89
1906	American-La France Fire Engine Co. ..	3156	....	....	Engine 37
1906	American-La France Fire Engine Co. ..	3157	....	....	Engine 39
1906	Nott Fire Engine Co	661	....	....	Engine 60
1906	American-La France Fire Engine Co. ..	3155	....	....	Engine 65
1906	Nott Fire Engine Co	662	....	....	Engine 71

Size.					Style of			Size in Inches of			
1.	2.	3.	4.	5.	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.	Weight with Water.
1	..	..	..	..	Crane neck.....	Manifold, 38-inch by 68-inch .....	Double	8	9	5½	10,600
..	..	3	..	..	Crane neck.....	Manifold, 32-inch by 62-inch .....	Double	7½	7	4½	8,000
..	..	3	..	..	Crane neck.....	Manifold, 32-inch by 62-inch .....	Double	7½	7	4½	8,000

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		Where in Service.
	Name.	No.	When.	By Whom.	
1909	American-La France				
	Co. ....	3270	....	.....	Engine 74
1909	American-La France				
	Co. ....	3271	....	.....	Engine 44
1909	American-La France				
	Co. ....	3272	....	.....	Engine 28

## Classified Description of Hook and Ladder Trucks.

Size.	Style.	Longest Ladder.	Manufacturer.	When Built or Placed in Service.	Department or Registered Number.	Where Used.
1	Regulation roller frame .....	75-ft. extension	Rumsey & Co., Seneca Falls, N. Y. ....	1892	39	5th Batt.
1	Aerial turn-table	85-ft. extension	F. S. Seagrave, Columbus, O. ....	1892	65	H. & L. 26
2	Dederick aerial extension ....	75-ft. extension	Internat'l Fire Eng. Co., N. Y. ....	1903	69	H. & L. 2
1	Steel roller frame	70-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1893	44	H. & L. 5
1	Steel roller frame	70-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1890	37	H. & L. 5
2	Babcock aerial turn-table ....	70-ft. extension	The Fire Exting. Mfg. Co., Chicago, Ill., for S. F. Hayward & Co., New York. ....	1901	63	H. & L. 6
1	Steel roller frame	70-ft. ....	Rumsey & Co., Seneca Falls, N. Y. ....	1892	40	H. & L. 21
1	Steel roller frame	70-ft. ....	Rumsey & Co., Seneca Falls, N. Y. ....	1892	41	4th Batt.
1	Steel roller frame	70-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1894	45	H. & L. 10
1	Steel roller frame	70-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1895	50	H. & L. 18
1	Dederick aerial extension ....	85-ft. extension	Internat'l Fire Eng. Co., New York. ....	1901	64	H. & L. 35
2	Hayes turn-table	75-ft. extension	La France Co., Elmira, N. Y. ....	1888	34	12th Batt.
2	Dederick aerial extension ....	75-ft. extension	Internat'l Fire Eng. Co., New York. ....	1903	71	H. & L. 14
1	Dederick aerial extension ....	85-ft. extension	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1900	60	H. & L. 28
2	Dederick aerial extension ....	65-ft. extension	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1898	57	H. & L. 39
1	Regulation roller frame .....	65-ft. ....	Repair Shop, N. Y. ....	1872	12	H. & L. 17
2	Roller frame ....	60-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1893	43	H. & L. 38
1	Dederick aerial extension ....	85-ft. extension	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1896	53	H. & L. 20
1	Dederick aerial extension ....	85-ft. extension	La France Co., Elmira, N. Y., for Internat'l Fire Eng. Co., New York. ....	1902	66	H. & L. 21
2	Roller frame ....	60-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1894	47	H. & L. 37
1	Aerial extension ladder .....	75-ft. extension	F. S. Seagrave, Columbus, O. ....	1902	68	H. & L. 22
2	Regulation roller frame .....	60-ft. extension	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1898	58	H. & L. 33
1	Dederick aerial extension ....	85-ft. extension	Gleason, Bailey & Rumsey, branch of Internat'l F Eng Co.	1901	62	H. & L. 22
1	Dederick aerial extension ....	75-ft. extension	Gleason, Bailey & La France Co., for Internat'l F. Eng. Co.	1902	67	H. & L. 3
2	Dederick aerial extension ....	75-ft. extension	Internat'l Fire Eng. Co., New York. ....	1903	70	H. & L. 7
..	Two-wheel ....	40-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1896	4	Engine 49
..	Two-wheel ....	50-ft. ....	Bangor Ladder Co. ....	1894	1	Engine 49
..	Two-wheel ....	50-ft. ....	Bangor Ladder Co. ....	1895	3	Engine 49
3	Roller frame ....	40-ft. ....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1895	48	Engine 45

Size.	Style.	Longest Ladder.	Manufacturer.	When Built or Placed in Service.	Department or Registered Number.	Where Used.
3	Roller frame....	40-ft.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1895	49	Engine 52
3	Roller frame....	40-ft.....	Rumsey & Co., Seneca Falls, N. Y. ....	1896	51	20th Batt.
3	Roller frame....	40-ft.....	Rumsey & Co., Seneca Falls, N. Y. ....	1896	52	Engine 62
3	Roller frame....	40-ft.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1898	54	21st Batt.
1	Roller frame....	50-ft. extension	Fire Eng. Mfg. Co., Chicago, Ill. ....	1885	29	H. & L. 33
3	Roller frame....	40-ft. extension	Hoepfner & Wuest, New York .....	1899	56	Engine 69
3	Roller frame....	40-ft. extension	Rumsey & Co., Seneca Falls, N. Y. ....	1899	59	Engine 70
1	Roller frame....	65-ft.....	Repair Shop, N. Y....	1881	19	H. & L. 17
2	Roller frame....	50-ft.....	Repair Shop, N. Y....	1877	16	21st Batt.
..	Roller frame....	50-ft.....	Fire Exting. Mfg. Co., Chicago, Ill. ....	1883	27	Engine 49
..	Two-wheel .....	50-ft.....	Joseph S. Smith, Bangor, Me. ....	1899	6	15th Batt. spare
..	Aerial turn-table	85-ft.....	Amer-La France Co.	1907	94	H. & L. 16
..	Aerial turn-table	85-ft.....	Amer-La France Co.	1907	95	H. & L. 24
..	Aerial turn-table	65-ft.....	Amer-La France Co.	1907	96	H. & L. 19
..	Aerial turn-table	75-ft.....	Amer-La France Co.	1907	97	H. & L. 15
..	Aerial turn-table	75-ft.....	Amer-La France Co.	1907	98	H. & L. 17
..	Aerial turn-table	85-ft.....	Seagrave Mfg. Co....	1907	99	H. & L. 35
..	Aerial turn-table	85-ft.....	Seagrave Mfg. Co....	1907	100	H. & L. 30
..	Regulation .....	75-ft. extension	Amer-La France Fire Eng. Co., Sen. Falls	1905	78	H. & L. 25
..	Regulation .....	50-ft. extension	Gleason & Bailey, Seneca Falls .....	1895	75	H. & L. 101
..	Regulation .....	45-ft. extension	Gleason & Bailey, Seneca Falls .....	1900	76	H. & L. 102
..	Regulation .....	50-ft. extension	Gleason & Bailey, Seneca Falls .....	1905	72	H. & L. 103
..	Regulation .....	50-ft. extension	Gleason & Bailey, Seneca Falls .....	1890	73	H. & L. 104
..	Regulation .....	60-ft. extension	Gleason & Bailey, Seneca Falls .....	1887	74	H. & L. 105
..	Roller frame....	45-ft. extension	Seagrave Mfg. Co....	1906	84	H. & L. 36

Trucks.	Longest Ladder.	Manufacturer.	When Built or Placed in Service.	Department or Registered Number.	Where Used.
Columbia .....	.....	Rumsey & Co.....	.....	79	H. & L. 32
La France .....	65-ft. aerial.....	Amer-La France Co.	.....	82	H. & L. 29
La France .....	85-ft. exten.....	Amer-La France Co.	1906	80	H. & L. 8
La France .....	75-ft. exten.....	Amer-La France Co.	1906	81	H. & L. 8
Seagrave .....	75-ft. exten.....	Seagrave Mfg. Co....	1906	83	H. & L. 28
La France .....	75-ft. exten. aerial	Amer-La France Co.	1906	85	H. & L. 9
La France .....	75-ft. exten.....	Amer-La France Co.	1906	86	H. & L. 11
Seagrave Aerial...	75-ft. exten.....	Seagrave Mfg. Co....	1906	87	H. & L. 1
La France Aerial.	75-ft. exten.....	Amer-La France Co.	1906	89	H. & L. 26
La France Aerial.	75-ft. exten.....	Amer-La France Co.	1906	88	H. & L. 23
Seagrave .....	85-ft. exten. aerial	Seagrave Mfg. Co....	1906	90	H. & L. 4
Seagrave .....	85-ft. exten. aerial	Seagrave Mfg. Co....	1906	91	H. & L. 20

Trucks.	Longest Ladder.	Manufacturer.	When Built or Placed in Service.	Depart- ment or Regis- tered Num- ber.	Where Used.
Seagrave .....	75-ft. exten. aerial	Seagrave Mfg. Co...	1906	92	H. & L. 12
Seagrave .....	75-ft. exten. aerial	Seagrave Mfg. Co...	1906	93	H. & L. 13
Gleason & Bailey.	2-wheel.....	G. & B. Mfg. Co....	1897	5	Engine 49
La France Aerial.	65-ft. exten.....	Amer-La France Co.	1909	101	H. & L. 27
La France Aerial.	65-ft. exten.....	Amer-La France Co.	1909	102	H. & L. 34
La France Aerial.	65-ft. exten.....	Amer-La France Co.	1909	103	H. & L. 31
La France Aerial.	65-ft. exten.....	Amer-La France Co.	1909	104	H. & L. 32

### Classified Description of Hose Tenders, Hose Wagons, Fuel Wagons, Boat Tenders, Water Tenders, Etc.

Style.	Manufacturers.	When Built or Placed in Service.	Depart- ment or Regis- tered Num- ber.	Where Used.
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1898	58	Engine 54
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1897	53	Engine 89
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1892	24	13th Batt.
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	77	Engine 4
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	73	Engine 5
Second-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1896	48	Engine 88
First-size hose wagon.....	Internat'l F. Eng. Co., Seneca Falls, N. Y.	1901	80	Engine 8
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1901	82	Engine 9
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1897	54	Engine 10
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1891	83	Engine 11
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1901	84	Engine 12
Hose wagon .....	Rumsey & Co., Seneca Falls, N. Y. ....	1895	35	Engine 38
First-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y....	1895	38	Engine 31
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1898	72	Engine 16
Second-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y....	1895	44	Engine 61
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1901	85	Engine 18
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1891	10	Engine 49
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	74	Engine 26
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1901	86	Engine 13
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1898	71	Engine 67
First-size hose wagon.....	The Seagrave Co., Col- umbus, O. ....	1901	87	Engine 23

Style.	Manufacturers.	When Built or Placed in Service.	Department or Registered Number.	Where Used.
First-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y. ....	1895	40	Engine 26
Second-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y. ....	1895	43	Engine 79
Four-wheel tender.....	Fire Engine Mfg. Co., Chicago, Ill. ....	1884	63	Engine 208
First-size hose wagon.....	The Seagrave Co., Columbus, O. ....	1901	88	6th Batt.
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1897	56	Engine 29
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	75	Engine 30
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1893	31	Engine 41
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1891	13	Engine 31
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1892	23	2d Batt.
Hose wagon .....	Rumsey & Co., Seneca Falls, N. Y. ....	1894	36	Engine 33
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1892	20	Engine 33
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1893	29	Hose Co. 1
Second-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y. ....	1895	45	Engine 81
Four-wheel tender .....	J. U. Bauchelle, Elizabeth, N. J. ....	1883	56	15th Batt.
Second-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	63	Engine 203
Second-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1890	9	10th Batt.
Second-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y. ....	1895	42	Engine 202
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	64	Engine 45
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	65	Engine 46
Second-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	61	Engine 207
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	66	Engine 48
Two-wheel tender .....	Repair Shop .....	....	12	Engine 49
Two-wheel tender .....	Repair Shop .....	1885	67	Engine 49
Two-wheel tender .....	Repair Shop .....	1871	30	Engine 49
Two-wheel tender .....	Repair Shop .....	....	28	Engine 49
Two-wheel tender .....	Repair Shop .....	....	27	Engine 49
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1890	6	Engine 49
Eight two-wheel hose jumpers.....	.....	....	..	Engine 49
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City .....	1898	67	Engine 52
Four-wheel tender.....	Fire Engine Mfg. Co., Chicago, Ill. ....	1885	66	Engine 52
Second-size hose wagon.....	P. Barrett Sons & Co., Brooklyn, N. Y. ....	1895	46	Engine 80
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1892	26	H. & L. 10
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	1897	55	9th Batt.
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	76	Engine 55
Second-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	62	22d Batt.



Style.	Manufacturers.	When Built or Registered in Service.		Where Used.
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1893	28	Repairshop
Hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1894	34	13th Batt.
Second-size hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1895	37	Engine 84
First-size hose wagon.....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1898	57	Engine 80
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City.....	1898	69	Engine 64
Third-size hose wagon.....	Sebastian Wagon Co., N. Y. City .....	1899	70	Engine 69
First-size hose wagon .....	Gleason & Bailey Mfg. Co., Sen. Falls, N.Y.	1899	78	Engine 21
Second-size hose wagon.....	The Seagrave Co., Columbus, O. ....	1901	89	Engine 201
Second-size hose wagon.....	The Seagrave Co., Columbus, O. ....	1901	90	Engine 75
First size water tower (Hale's patent)	Kan. City Fire Dept. Supply Co., Kansas City, Mo. ....	1890	4	2d Batt.
First size water tower (Hale's patent)	Fire Engine Mfg. Co., Chicago, Ill., for S. F. Hayward, N. Y....	1895	6	2d Batt.
First size water tower (Hale's patent)	Fire Engine Mfg. Co., Chicago, Ill., for S. F. Hayward, N. Y....	1898	7	H. & L. 3
First size water tower (Hale's patent)	Fire Engine Mfg. Co., Chicago, Ill., for S. F. Hayward, N. Y....	1900	8	Engine 31
First size water tower (Hale's patent)	Internat'l F. Eng. Co., Elmira, N. Y. ....	1904	9	H. & L. 24
Four-wheel hose wagon .....	Gleason & Bailey Co..	1901	81	Engine 18
Four-wheel hose wagon .....	Shephard & Son.....	1903	91	Engine 3
Four-wheel hose wagon .....	Shephard & Son.....	1903	92	Engine 73
Four-wheel hose wagon .....	Shephard & Son.....	1903	93	Engine 25
Four-wheel hose wagon .....	Barrett Co. ....	1904	94	Engine 13
Four-wheel hose wagon .....	Barrett Co. ....	1904	95	Engine 14
Four-wheel hose wagon .....	E. B. Preston & Co..	1889	1	Engine 69
Four-wheel hose wagon .....	Barrett Co. ....	1904	96	Engine 17
Four-wheel hose wagon .....	Barrett Co. ....	1904	97	Engine 76
Four-wheel hose wagon .....	Barrett Co. ....	1904	98	Engine 76
First-size hose wagon.....	C. N. Perkins Co., Lawrence, Mass. ...	1905	101	Engine 22
First-size hose wagon.....	C. N. Perkins Co., Lawrence, Mass. ...	1905	103	Engine 53
First-size hose wagon.....	C. N. Perkins Co., Lawrence, Mass. ...	1905	100	Engine 27
First-size hose wagon.....	C. N. Perkins Co., Lawrence, Mass. ...	1905	99	Engine 30
First-size hose wagon.....	C. N. Perkins Co., Lawrence, Mass. ...	1904	102	Engine 35
Third-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	....	116	Engine 43
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	132	Engine 44
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	133	Engine 47
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	134	Engine 65
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	135	Engine 28
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	136	Engine 31

Style.	Manufacturers.	When Built or Placed in Service.	Department or Registered Number.	Where Used.
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	137	Engine 36
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	138	Engine 74
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	139	Engine 60
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	140	Engine 71
First-size hose wagon.....	Rech-Marbecker, Philadelphia, Pa. ....	1907	141	Engine 83
Third-size hose wagon.....	Gleason & Bailey, Seneca Falls, N. Y. ....	* ...	111	8th Div.
Third-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	* ...	112	Engine 204
First-size hose wagon.....	Gleason & Bailey, Seneca Falls, N. Y. ....	* ...	104	Engine 205
Second-size hose wagon.....	M. Duff, Port Richmond, Staten Island	* ...	105	Engine 206
Second-size hose wagon.....	Seagrave Co., Columbus, O. ....	* ...	107	Engine 208
Third-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	* ...	138	Hose Co. 1
Second-size hose wagon.....	H. Schwenck, Stapleton, Staten Island..	* ...	114	22d Batt.
First-size hose wagon.....	Rumsey & Co., Seneca Falls, N. Y. ....	* ...	115	22d Batt.
High-pressure hose wagon.....	C. N. Perkins .....	1908	1	Engine 20
High-pressure hose wagon.....	C. N. Perkins .....	1908	2	Engine 20
High-pressure hose wagon.....	C. N. Perkins .....	1908	3	Engine 72
High-pressure hose wagon.....	Combination Ladder Co.	1909	4	Engine 18
High-pressure hose wagon.....	Combination Ladder Co.	1909	5	Engine 27
High-pressure hose wagon.....	Combination Ladder Co.	1909	6	Engine 30
Auto high-pressure hose wagon.....	Knox Auto Co.....	1909	1	Engine 72

\* Placed in service when organized.

### Hose Wagons.

Style.	Year When Built.	Manufacturer.	Registered Number.	Where Used.
First-size hose wagon.....	1891	.....	15	12th Battalion
Second-size hose wagon.....	1896	Gleason & Bailey.....	49	Engine 62
Second-size hose wagon.....	1896	Gleason & Bailey.....	50	17th Battalion
Second-size hose wagon.....	.....	.....	109	Engine 201
First-size hose wagon.....	1906	Seagrave & Co.....	117	Engine 32
First-size hose wagon.....	1906	Seagrave & Co.....	118	Engine 39
First-size hose wagon.....	1906	Seagrave & Co.....	119	Engine 7
First-size hose wagon.....	1906	Seagrave & Co.....	120	Engine 7
First-size hose wagon.....	1906	Seagrave & Co.....	121	Engine 40
First-size hose wagon.....	1906	Seagrave & Co.....	122	Engine 50
First-size hose wagon.....	1906	Amer.-La France Co....	123	Engine 2
First-size hose wagon.....	1906	Amer.-La France Co....	124	Engine 24
First-size hose wagon.....	1906	Seagrave & Co.....	125	Engine 1
First-size hose wagon.....	1906	Seagrave & Co.....	126	Engine 6
First-size hose wagon.....	1906	Amer.-La France Co....	127	Engine 15
First-size hose wagon.....	1906	Amer.-La France Co....	128	Engine 34
First-size hose wagon.....	1906	Amer.-La France Co....	129	Engine 59
First-size hose wagon.....	1906	Combination Ladder Co.	130	Engine 19
First-size hose wagon.....	1906	Seagrave & Co.....	131	Engine 58

Style.	Year When Built.	Manufacturer.	Registered Number.	Where Used.
Second-size hose wagon.....	....	P. Barrett Sons & Co....	142	Engine 63
First-size hose wagon.....	....	Repair Shops (rebuilt)..	143	Engine 82
First-size hose wagon.....	1909	Seagrave & Co.....	144	Engine 73
First-size hose wagon.....	1909	Seagrave & Co.....	145	Engine 56
First-size hose wagon.....	1909	Seagrave & Co.....	146	Engine 5
First-size hose wagon.....	1909	Seagrave & Co.....	147	Engine 37
First-size hose wagon.....	1909	Seagrave & Co.....	148	Engine 54
First-size hose wagon.....	1909	Seagrave & Co.....	149	Engine 68
First-size hose wagon.....	1909	Seagrave & Co.....	150	Engine 42
First-size hose wagon.....	1909	Seagrave & Co.....	151	Engine 41

### Fuel Wagons.

Department	Registered Number.	Location.	Where Used.
Fuel wagon, Registered No. 1.....	.....	Hook & Ladder 15.....	1st Battalion
Fuel wagon, Registered No. 38.....	.....	Hook & Ladder 35.....	11th Battalion
Fuel wagon, Registered No. 3.....	.....	Hook & Ladder 9.....	3d Battalion
Fuel wagon, Registered No. 4.....	.....	199 Chrystie St.....	3d Battalion
Fuel wagon, Registered No. 5.....	.....	199 Chrystie St.....	3d Battalion
Fuel wagon, Registered No. 11.....	.....	Engine 30 .....	5th Battalion
Fuel wagon, Registered No. 14.....	.....	Engine 70 .....	15th Battalion
Fuel wagon, Registered No. 15.....	.....	160 East 33d St.....	8th Battalion
Fuel wagon, Registered No. 16.....	.....	Engine 19 .....	7th Battalion
Fuel wagon, Registered No. 28.....	.....	Hook & Ladder 2.....	8th Battalion
Fuel wagon, Registered No. 19.....	.....	Hook & Ladder 11.....	6th Battalion
Fuel wagon, Registered No. 18.....	.....	Engine 48.....	18th Battalion
Fuel wagon, Registered No. 37.....	.....	Dept. Stables, W. 99th St.....	11th Battalion
Fuel wagon, Registered No. 21.....	.....	Engine 53 .....	10th Battalion
Fuel wagon, Registered No. 23.....	.....	58 Lawrence St.....	16th Battalion
Fuel wagon, Registered No. 22.....	.....	Repair Shops .....	Repair Shops
Fuel wagon, Registered No. 24.....	.....	Engine 61 .....	15th Battalion
Fuel wagon, Registered No. 30.....	.....	Engine 52 .....	18th Battalion
Fuel wagon, Registered No. 12.....	.....	Engine 82 .....	20th Battalion
Fuel wagon, Registered No. 33.....	.....	Hook & Ladder 104.....	22d Battalion
Fuel wagon, Registered No. 2.....	.....	Engine 62 .....	15th Battalion
Fuel wagon, Registered No. 7.....	.....	180 Clinton St.....	4th Battalion
Fuel wagon, Registered No. 8.....	.....	180 Clinton St.....	4th Battalion
Fuel wagon, Registered No. 10.....	.....	Hook & Ladder 8.....	5th Battalion
Fuel wagon, Registered No. 25.....	.....	Engine 50 .....	17th Battalion
Fuel wagon, Registered No. 27.....	.....	Hook & Ladder 34.....	13th Battalion
Fuel wagon, Registered No. 31.....	.....	58 Lawrence St.....	18th Battalion
Fuel wagon, Registered No. 35.....	.....	E. 122d St.....	12th Battalion
Fuel wagon, Registered No. 36.....	.....	Hook & Ladder 17.....	14th Battalion

### Spare Engines.

Battalion.	Reg. No.	Location.
1st .....	378	Hook and Ladder Co. No. 10
2d .....	224	Engine Co. No. 31
3d .....	385	Engine Co. No. 31
4th .....	187	Engine Co. No. 15
5th .....	232	Third Street Shops
6th .....	395	Third Street Shops
7th .....	257	Third Street Shops
8th .....	258	Third Street Shops
9th .....	463	Engine Co. No. 23
9th .....	2152	Repair Shops
10th .....	427	Ward's Island

Battalion.	Reg. No.	Location.
10th .....	358	Ward's Island
10th .....	415	Hook and Ladder Co. No. 13
11th .....	381	Engine Co. No. 56
12th .....	164	Fuel Depot No. 19
12th .....	202	Fuel Depot No. 19
13th .....	2297	Hook and Ladder Co. No. 13
14th .....	321	Engine Co. No. 83
16th .....	203	Engine Co. No. 37
17th .....	165	Hook and Ladder Co. No. 27
18th .....	354	Engine Co. No. 79
20th .....	256	Engine Co. No. 42
21st .....	517	Mt. Loretta, B. Richmond
1st .....	299	Eldridge St. Storehouse
2d .....	739	56th St. Shops

## Spare Hook and Ladder Trucks.

Battalion.	Reg. No.	Battalion.	Reg. No.
4th .....	41	20th .....	77
5th .....	39	21st .....	54
12th .....	34	21st .....	16
15th (2-wheel) .....	6		

## Spare Hose Wagons.

Battalion.	Reg. No.	Battalion.	Reg. No.
2d .....	23	13th .....	34 24
6th .....	88	17th .....	50
9th .....	55	22d .....	62 114 115
10th .....	9	8th Division .....	111
12th .....	15	Repair Shops .....	28*

\* 56th Street.

## Spare Fuel Wagons.

Reg. No.	Carried by— Battalion.	Reg. No.	Carried by— Battalion.
1 .....	1st	21 .....	10th
2 .....	15th	22 .....	**
3 .....	3d	23 .....	16th
4 .....	3d	24 .....	15th
5 .....	3d	25 .....	17th
7 .....	4th	27 .....	13th
8 .....	4th	28 .....	8th
10 .....	5th	30 .....	18th
11 .....	5th	31 .....	18th
12 .....	20th	33 .....	22d
14 .....	15th	35 .....	12th
15 .....	8th	36 .....	14th
16 .....	7th	37 .....	11th
18 .....	18th	38 .....	11th
19 .....	6th		

\*\* Repair Shops.

## Boroughs of Brooklyn Classified Description

[illegible]

and Queens.  
of Steam Fire Engines.

When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		
	Name.	No.	When.	By Whom.	Where in Service.
1894	Amoskeag Co.....	707	1900	Amer. Fire Eng. Co., water tube boiler .....	Engine 107
1894	Amoskeag Co.....	708	....	.....	Engine 115
1894	Amoskeag Co.....	709	....	.....	Engine 121
1874	Amoskeag Co.....	486	1896	Tubular boiler, Repair Shop....	Spare
1891	Amoskeag Co.....	668	1899	Amer. Fire Eng. Co., water tube boiler .....	Spare
1891	Amoskeag Co.....	667	1899	Amer. Fire Eng. Co., water tube boiler .....	Engine 108
1894	Amoskeag Co.....	427	1897	La France Co., nest tube.....	Engine 112
1893	Amoskeag Co.....	697	....	.....	Engine 114
1885	Amoskeag Co.....	600	1903	La France Co.....	Engine 118
1892	Amoskeag Co.....	684	1899	Amer. Fire Eng. Co., water tube boiler .....	Engine 119
1876	Amoskeag Co.....	507	1892	Manchester Locomotive Works, tubular boiler .....	Engine 127
1892	Amoskeag Co.....	685	1899	Amer. Fire Eng. Co., water tube boiler .....	Engine 129
1879	Amoskeag Co.....	528	1899	Amer. Fire Eng. Co., water tube boiler .....	Engine 134
1873	Amoskeag Co.....	421	1894	Tubular boiler, Repair Shop....	Spare
1873	Amoskeag Co.....	429	1897	La France Co., nest boiler.....	Engine 145
1880	Amoskeag Co.....	546	1900	Amer. Fire Eng. Co., water tube boiler .....	Newtown
1885	Amoskeag Co.....	598	1905	La France Co., water & fire tube	Engine 156
1885	Amoskeag Co.....	599	....	.....	Woodhaven
1891	Amoskeag Co.....	669	1899	Amer. Fire Eng. Co., water tube boiler .....	Spare
1889	Amoskeag Co.....	655	....	.....	Newtown
1903	W. S. Nott Co.....	429	....	.....	Engine 110
1890	Amoskeag Co.....	660	1899	Amer. Fire Eng. Co., water tubes	Newtown
1890	Amoskeag Co.....	658	....	.....	Newtown
1893	Amoskeag Co.....	696	....	.....	Spare
1893	La France Co.....	277	....	.....	Engine 146
1896	La France Co.....	358	....	.....	Engine 119
....	Clapp & Jones Co.	417	1898	La France Co.....	Engine 170
1899	Amoskeag Co.....	740	....	Manchester Locomotive Works.	Engine 171
1873	Amoskeag Co.....	444	1889	Manchester Locomotive Works.	Engine 175
1883	Clapp & Jones Co.	409	1898	Amer. Fire Eng. Co.....	Newtown
1895	Amoskeag Co.....	715	....	Manchester Locomotive Works.	Engine 139
1896	La France Co.....	360	....	.....	Spare
1893	Silsby Co.....	2,231	....	.....	Bayside
1895	La France Co.....	323	....	.....	Engine 111
1895	La France Co.....	403	....	.....	Engine 125
1895	La France Co.....	324	....	.....	Engine 135
1895	La France Co.....	329	....	.....	Engine 136
1897	La France Co.....	361	....	.....	Engine 138
1896	La France Co.....	359	....	.....	Engine 137
1895	La France Co.....	334	....	.....	Engine 140
1895	La France Co.....	332	....	.....	Engine 141
1895	La France Co.....	331	....	.....	Engine 142
1895	La France Co.....	330	....	.....	Engine 143
1897	La France Co.....	322	....	.....	Engine 144
1893	La France Co.....	296	....	.....	Engine 145
1896	La France Co.....	357	....	.....	Engine 147
1897	La France Co.....	385	....	.....	Engine 148
1896	La France Co.....	356	....	.....	Engine 149



Size.					Style of			Size in Inches of			
1,	2,	3,	4,	5.	Frame.	Boiler.	Engine.	Stroke of Piston	Steam Cylinder	Pump.	Weight with Water (lbs.)
..	..	1	..	..	Crane...	Nest.....	Double.....	7	7	4	7,350
..	..	1	..	..	Crane...	Nest.....	Double.....	7 1/4	8	4 1/4	7,900
..	..	1	..	..	Crane...	Nest.....	Double.....	7 1/4	8	4 1/4	7,500
..	..	1	..	..	Crane...	Nest.....	Double.....	7	7	4	7,200
..	..	1	..	..	Crane...	Nest.....	Double.....	7	7	4	7,200
..	..	1	..	..	Crane...	Nest.....	Double.....	7 1/4	8	4 1/8	7,600
..	..	1	..	..	Crane...	Smoke and water tube.	Double.....	6 3/4	7	4	6,900
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 3/4	7	4	7,000
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 3/4	7	4	6,900
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 1/8	8,300
..	1	..	..	..	Crane...	Water tube.....	Double.....	8	9	4 3/8	9,200
..	1	..	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 1/8	8,200
..	1	..	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 1/8	8,200
1	..	..	..	..	Crane...	Spiral tube.....	Double.....	9 1/4	8	5 1/2	10,650
..	1	..	..	..	Crane...	Submerged flue.....	Double.....	6 1/2	8	4 3/8	7,600
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 3/8	8,300
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 3/8	8,300
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/4	8	4 3/8	8,300
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 1/2	7	4	6,500
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 1/2	7	4	6,500
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 1/2	7	4	6,500
..	1	..	..	..	Crane...	Water tube.....	Double.....	8	8	4 3/4	8,700
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	7,700
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	7,800
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	7,800
..	..	1	..	..	Crane...	Spiral tube.....	Double.....	7	8	4 3/8	7,600
..	..	1	..	..	Crane...	Spiral tube.....	Double.....	7	8	4 3/8	7,500
..	..	1	..	..	Crane...	Spiral tube.....	Double.....	7 1/4	8	4 3/8	7,000
..	..	..	..	..	Marine...	Scotch.....	Two single....	16	18	..	....
..	..	..	..	..	Marine...	Scotch.....	Compound....	14-26	18	..	....
..	..	..	..	..	*Pumps...	Two double sets.....	.....	16	10	8	....
..	..	..	..	..	*Pumps...	Two double sets.....	.....	17	11	10	....
..	..	..	..	..	†Crane...	Nest.....	Vertical.....	5	5	..	7,360
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	8,250
..	1	..	..	..	Crane...	Spiral water tube.....	Double.....	8 1/4	8	5 1/8	9,220
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/8	8	4 1/2	8,325
..	..	1	..	..	Crane...	Coil tube.....	Double.....	7	7	4 3/8	....
..	..	1	..	..	Crane...	Coil tube.....	Double.....	7	7	4 1/4	6,300
..	..	1	..	..	Crane...	Nest.....	Double.....	6 3/4	7	4	6,000
..	..	1	..	..	Crane...	Water tube.....	Double.....	6 1/2	7	4	7,610
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	8,010
..	..	1	..	..	Crane...	Water tube.....	Double.....	7 1/2	7	4 1/2	8,055
..	1	..	..	..	Crane...	Spiral.....	Double.....	8 1/4	8	5 1/2	9,200
..	1	..	..	..	Crane...	Tubular.....	Double.....	6 7/8	8	4 1/4	8,300
1	..	..	..	..	Crane...	Pen tube.....	Double.....	6 7/8	8	4 7/8	7,520
..	..	1	..	..	Crane...	Sec. tube.....	Single.....	9 1/4	6	5 1/2	5,300

\* Fireboat. † Searchlight. b Fireboat "D. A. Boody." c Fireboat "Seth Low."



When Built or Placed in Serv- ice.	Manufacturer's		New Boilers, Pumps, etc.		
	Name.	No.	When.	By Whom.	Where in Service.
1897	La France Co....	391	....	....	Engine 150
1897	La France Co....	384	....	....	Engine 151
1897	La France Co....	362	....	....	Engine 152
1895	La France Co....	333	....	....	Engine 128
1897	La France Co....	390	....	....	Engine 155
1894	La France Co....	295	1901	La France Co., nest boiler....	Engine 101
1899	La France Co....	414	....	....	Engine 163
1899	La France Co....	415	....	....	Engine 153
1899	La France Co....	413	....	....	Engine 154
1900	La France Co....	433	....	....	Engine 109
1900	La France Co....	432	....	....	Engine 105
1900	La France Co....	438	....	....	Engine 169
1900	La France Co....	439	....	....	Engine 116
1907	W. S. Nott Co....	679	....	....	Engine 133
....	W. S. Nott Co....	428	....	....	Engine 151
2d Section					
1901	La France Co....	461	....	....	Engine 103
1901	La France Co....	462	....	....	Engine 113
1901	La France Co....	463	....	....	Engine 126
1898	American Co....	2,619	....	....	Engine 157
1899	American Co....	2,678	....	....	Engine 160
1899	American Co....	2,679	....	....	Engine 161
1900	American Co....	2,702	....	....	Engine 104
1900	American Co....	2,703	....	....	Engine 130
1900	American Co....	2,730	....	....	Engine 117
1900	American Co....	2,731	....	....	Engine 120
1886	Clapp & Jones Co.	506	....	....	Engine 168
1886	Clapp & Jones Co.	493	....	....	Engine 159
1894	Clapp & Jones Co.	2,305	....	....	Engine 162
1885	W. Cowles Co....	....	....	Tregarthen & Son, new boiler..	Engine 123
1892	W. Cowles Co....	....	1895	McLaughlin & McNeal.....	bEngine 132
1885	Clapp & Jones Co.	....	....	....	cEngine 123
1885	Clapp & Jones Co.	....	....	....	dEngine 132
1901	La France Co....	3	....	....	eEngine 110
1905	Metropolitan Co..	3,040	....	....	Engine 122
1905	W. S. Nott Co....	616	....	....	Engine 124
1905	W. S. Nott Co....	566	....	....	Engine 131
1893	Clapp & Jones Co.	2,242	....	....	Engine 164
1897	Clapp & Jones Co.	2,530	....	....	Engine 165
1893	La France Co....	250	1905	American-La France Co.....	Engine 166
1905	Metropolitan Co..	3,064	....	....	Engine 167
1906	Am.-La France Co	3,123	....	....	Engine 106
1906	Am.-La France Co	3,124	....	....	Engine 158
1906	W. S. Nott Co....	635	....	....	Engine 102
1883	Amoskeag Co....	585	1897	Tubular boiler, Repair Shop....	Engine 146
1880	Clapp & Jones Co.	351	1894	Amer. Fire Eng. Co.....	Engine 112
1881	Clapp & Jones Co.	375	1897	Amer. Fire Eng. Co.....	Engine 172

d Fireboat "D. A. Boody."

e Two lamps, 7,000 and 9,000 candle power.

## Classified Description

Name.	Style.	Capacity.	Weights.
Chemical Engine.....	Crane.....	Two 50-gallon tanks....	4,375 pounds....
Chemical Engine.....	Crane.....	Two 50-gallon tanks....	4,500 pounds....
Chemical Engine.....	Two-wheel.	One 80-gallon tank.....	2,500 pounds....
Chemical Engine.....	Crane.....	Two 50-gallon tanks....	4,250 pounds....
Chemical Engine and Hose Wagon.....	Platform spring.....	One 60-gallon tank.....	4,320 pounds....
Chemical Engine.....	Crane.....	Two 50-gallon tanks....	4,250 pounds....

## Classified Description of

1,	2,	Size. 3, 4.	Style	Largest Ladder, Feet.	When Built.
1	..	..	Hayes aerial.....	85	1899
1	..	..	Hayes aerial.....	85	1893
1	..	..	Hayes aerial.....	85	1899
1	..	..	Hayes aerial.....	85	1899
1	..	..	Hayes aerial.....	85	1901
1	..	..	Hayes aerial.....	85	1901
1	..	..	Hayes aerial.....	85	1903
..	1	..	Hayes aerial.....	75	1889
..	1	..	Hayes aerial.....	75	1891
..	1	..	Hayes aerial.....	75	1891
..	1	..	Hayes aerial.....	75	1892
..	1	..	Hayes aerial.....	75	1886
..	1	..	Hayes aerial.....	75	1889
..	1	..	Hayes aerial.....	75	1888
..	1	..	Hayes aerial.....	75	1890
..	..	1	Hayes aerial.....	55	1895
..	1	..	Seagrave aerial.....	75	1907
..	..	1	Seagrave aerial.....	65	1907
..	..	1	Roller frame.....	70	1883
..	..	1	Straight frame chemical combination.....	50	1905
..	..	1	Straight frame.....	40	1903
..	..	1	Straight frame.....	40	1903
..	..	1	Straight frame.....	50	1903
..	..	1	Straight frame.....	40	1903
..	1	..	Dederick aerial.....	85	1900
..	..	1	Combination.....	50	1899
..	1	..	Hayes aerial.....	85	1896
..	..	1	Babcock aerial.....	60	1899
..	..	1	Straight frame combination chemical.....	50	1896
..	..	1	Straight frame combination.....	50	1896
..	..	1	Straight frame combination.....	50	1896
..	..	1	Straight frame combination.....	50	1896
..	..	1	Straight frame combination.....	50	1897
..	..	1	Straight frame combination.....	50	1897
..	..	1	Straight frame combination.....	50	1896
..	..	1	Combination chemical.....	50	1896
..	..	1	Straight frame.....	50	1897
..	..	1	Straight frame.....	50	1897
..	..	1	Combination chemical.....	50	1897
..	..	1	Straight frame.....	35	1882
..	..	1	Straight frame.....	55	1882
..	1	..	Seagrave aerial.....	75	1905
..	..	1	Straight frame.....	*40	1903
..	..	1	Straight frame combination chemical.....	50	1905
..	..	1	Straight frame combination chemical.....	50	1905
..	..	1	Straight frame combination chemical.....	50	1896

## of Chemical Engines.

Built.	Manufacturer.	Number.	Where in Service.
1895	Holloway Co.....	1B	Engine 162
1899	Holloway Co.....	2B	Engine 121
1897	Hayward Co.....	3B	Spare
1897	Fire Extinguisher Co. (Babcock).....	4N.Y.	Engine 173
1896	Charles T. Holloway.....	2N.Y.	Engine 174
1898	Charles T. Holloway.....	5N.Y.	Engine 157

## Hook and Ladder Trucks.

Manufacturer.	Registered Number.	Where in Service.
La France Fire Engine Co.....	212	Hook and Ladder 51
La France Fire Engine Co.....	148	Hook and Ladder 52
La France Fire Engine Co.....	213	Hook and Ladder 53
La France Fire Engine Co.....	209	Hook and Ladder 56
La France Fire Engine Co.....	232	Hook and Ladder 68
La France Fire Engine Co.....	222	Hook and Ladder 69
Seagrave Co. ....	41BS	Hook and Ladder 60
La France Fire Engine Co.....	102	Hook and Ladder 57
La France Fire Engine Co.....	123	Hook and Ladder 59
La France Fire Engine Co.....	124	Hook and Ladder 61
La France Fire Engine Co.....	139	Hook and Ladder 62
La France Fire Engine Co.....	67	Hook and Ladder 63
La France Fire Engine Co.....	99	Spare
La France Fire Engine Co.....	92	Hook and Ladder 55
La France Fire Engine Co.....	103	Hook and Ladder 65
La France Fire Engine Co.....	162	Spare
Seagrave Co. ....	2062	Hook and Ladder 54
Seagrave Co. ....	2061	Hook and Ladder 64
Fire Engine Company, Chicago, Ill.....	25N.Y.	Hook and Ladder 72
American-La France Engine Co.....	26B	Hook and Ladder 76
Seagrave Co. ....	28B	Hook and Ladder 77
Seagrave Co. ....	30B	Spare
Gleason & Bailey .....	77N.Y.	Newtown
Seagrave Co. ....	31B	Woodhaven
Gleason & Bailey Manufacturing Co. ....	42B	Hook and Ladder 58
Gleason & Bailey Manufacturing Co. ....	13B	Hook and Ladder 75
La France Fire Engine Co.....	192	Spare
Extinguisher Manufacturing Co. ....	51B	Hook and Ladder 67
Holloway Manufacturing Co.....	1B	Engine 141
Holloway Manufacturing Co.....	2B	Engine 142
Holloway Manufacturing Co.....	3B	Engine 143
Holloway Manufacturing Co.....	9B	Engine 148
Holloway Manufacturing Co.....	7B	Engine 150
Holloway Manufacturing Co.....	10B	Engine 153
Holloway Manufacturing Co.....	11B	Engine 155
Holloway Manufacturing Co.....	6B	Engine 147
Gleason & Bailey Manufacturing Co.....	12B	Engine 144
Gleason & Bailey Manufacturing Co.....	5B	Engine 146
Gleason & Bailey Manufacturing Co.....	4B	Newtown
Gleason & Bailey Manufacturing Co.....	14B	Engine 157
New York Fire Department Repair Shops.....	21B	Newtown
Fire Extinguisher Co.....	23B	Newtown
Seagrave Manufacturing Co.....	1404	Hook and Ladder 70
Seagrave Manufacturing Co.....	52S	Hook and Ladder 71
American-La France Engine Co.....	27B	Hook and Ladder 66
American-La France Engine Co.....	186	Engine 164
Holloway Manufacturing Co.....	8B	Engine 140

Size.				Style	Largest Ladder, Feet.	When Built.
1.	2.	3.	4.			
1	..	..	..	Hayes aerial.....	85	1899
..	..	..	1	Straight frame combination chemical.....	50	1905
..	..	..	1	Straight frame combination chemical.....	50	1905
..	..	1	..	Straight frame combination chemical.....	40	1903
1	..	..	..	Hayes aerial.....	85	1900
..	..	1	..	Straight frame combination chemical.....	40	1903
..	..	1	..	Roller frame.....	*40	1898

\* Extension.

### Classified Description of Hose Tenders, Hose Wagons and Boat Tenders.

Style.	1, 2, 3.			Manufacturer.	When Built.	Regis-	Where in Service.
	Class.					tered Number.	
Platform spring..	1	..	..	P. Barrett Manufacturing Co..	1899	74B	Engine 109
"	"	1	..	P. Barrett Manufacturing Co..	1899	75B	Engine 110
"	"	1	..	P. Barrett Manufacturing Co..	1899	76B	Engine 103
"	"	1	..	P. Barrett Manufacturing Co..	1899	79B	Engine 120
"	"	1	..	P. Barrett Manufacturing Co..	1898	78B	Engine 118
"	"	1	..	P. Barrett Manufacturing Co..	1899	77B	Engine 129
"	"	1	..	P. Barrett Manufacturing Co..	1900	83B	Engine 108
"	"	1	..	P. Barrett Manufacturing Co..	1900	82B	Engine 104
"	"	1	..	P. Barrett Manufacturing Co..	1900	84B	Engine 113
"	"	1	..	P. Barrett Manufacturing Co..	1901	85B	Engine 116
"	"	1	..	P. Barrett Manufacturing Co..	1901	86B	Engine 111
"	"	1	..	P. Barrett Manufacturing Co..	1901	87B	Engine 114
"	"	1	..	P. Barrett Manufacturing Co..	1901	88B	Engine 117
"	"	1	..	P. Barrett Manufacturing Co..	1901	89B	Engine 133
"	"	1	..	P. Barrett Manufacturing Co..	1901	90B	Engine 135
"	"	1	..	P. Barrett Manufacturing Co..	1898	71B	Engine 105
"	"	1	..	P. Barrett Manufacturing Co..	1898	70B	Engine 112
"	"	1	..	P. Barrett Manufacturing Co..	1898	72B	Engine 130
"	"	1	..	P. Barrett Manufacturing Co..	1898	73B	Engine 126
"	"	1	..	Gleason & Bailey Co.....	1900	80B	Engine 121
"	"	1	..	Gleason & Bailey Co.....	1900	81B	Engine 139
"	"	1	..	P. Barrett Manufacturing Co..	1894	25B	Engine 143
"	"	1	..	P. Barrett Manufacturing Co..	1896	48B	Engine 142
"	"	1	..	P. Barrett Manufacturing Co..	1894	24B	Spare
"	"	1	..	P. Barrett Manufacturing Co..	1894	31B	Newtown
"	"	1	..	P. Barrett Manufacturing Co..	1895	27B	Engine 163
"	"	1	..	P. Barrett Manufacturing Co..	1894	26B	Hose 3
"	"	1	..	P. Barrett Manufacturing Co..	1891	9B	Spare
"	"	..	1	P. Barrett Manufacturing Co..	1895	40B	Spare
"	"	..	1	P. Barrett Manufacturing Co..	1896	50B	Spare
"	"	..	1	P. Barrett Manufacturing Co..	1896	51B	Newtown
"	"	..	1	P. Barrett Manufacturing Co..	1896	52B	Engine 165
"	"	1	..	Rech-Marbaker Co.....	1907	111B	Engine 101
"	"	1	..	Seagrave Co.....	1909	127B	Engine 125
"	"	1	..	Seagrave Co.....	1909	128B	Engine 136
"	"	1	..	Seagrave Co.....	1909	129B	Engine 140
"	"	1	..	Seagrave Co.....	1909	130B	Engine 145
"	"	1	..	Seagrave Co.....	1909	131B	Engine 148
"	"	..	..	John Cohen.....	....	110 N.Y.	Spare
"	"	1	..	Gleason & Bailey Co.....	1892	25 N.Y.	Spare
"	"	..	1	Geo. B. Marx.....	1906	126B	Hose 8
"	"	1	..	Rech-Marbaker Co.....	1907	112B	Engine 106
"	"	1	..	Rech-Marbaker Co.....	1907	113B	Engine 156
"	"	1	..	Rech-Marbaker Co.....	1907	114B	Engine 137
"	"	1	..	Rech-Marbaker Co.....	1907	115B	Engine 138
"	"	1	..	Rech-Marbaker Co.....	1907	116B	Engine 152
"	"	..	1	P. Barrett Manufacturing Co..	1895	42B	Engine 146

Manufacturer.	Registered Number.	Where in Service.
La France Fire Engine Co.....	215	Hook and Ladder 73
American-La France Fire Engine Co.....	24B	Newtown
American-La France Fire Engine Co.....	25B	Woodhaven
Seagrave Co.....	32B	Spare
La France Fire Engine Co.....	61N.Y.	Hook and Ladder 74
Seagrave Co.....	33B	Hook and Ladder 79
Hoepfner & Wuest .....	55N.Y.	Hook and Ladder 80

Style.	1. 2. 3. Class.	Manufacturer.	When Bult.	Regis- tered Num- ber.	Where in Service.
Platform spring..	1 .. ..	P. Barrett Manufacturing Co..	1896	53B	Spare
"	" .. 1 ..	P. Barrett Manufacturing Co..	1895	43B	Spare
"	" .. 1 ..	P. Barrett Manufacturing Co..	1895	44B	Spare
"	" .. 1 ..	P. Barrett Manufacturing Co..	1895	45B	Engine 150
"	" .. 1 ..	P. Barrett Manufacturing Co..	1892	12B	Engine 146
"	" .. 1 ..	P. Barrett Manufacturing Co..	1894	28B	Newtown
"	" .. 1 ..	P. Barrett Manufacturing Co..	1896	47B	Engine 128
"	" .. 1 ..	Marlborough Brothers.....	1891	20B	Engine 147
"	" .. 1 ..	Marlborough Brothers.....	1893	18B	Spare
"	" .. 1 ..	Marlborough Brothers.....	1895	15B	Engine 145
"	" .. 1 ..	Marlborough Brothers.....	1893	17B	Engine 155
"	" .. 1 ..	Marlborough Brothers.....	1894	46B	Newtown
"	" .. 1 ..	Marlborough Brothers.....	1893	21B	Spare
"	" .. 1 ..	Shephard & Son.....	1903	91B	Engine 127
"	" .. 1 ..	Shephard & Son.....	1903	92B	Engine 134
"	" .. 1 ..	Shephard & Son.....	1903	93B	Engine 102
"	" .. 1 ..	Shephard & Son.....	1903	94B	Engine 115
"	" .. 1 ..	Shephard & Son.....	1903	95B	Engine 107
"	" .. 1 ..	Marlborough Brothers.....	1891	10B	Engine 160
"	" .. 1 ..	Marlborough Brothers.....	1894	22B	Spare
"	" .. 1 ..	Marlborough Brothers.....	1894	32B	Spare
"	" .. 1 ..	Woodhouse Manufacturing Co.	1885	38B	Spare
"	" .. 1 ..	Gleason & Bailey Mfg. Co....	1895	62B	Spare
"	" .. 1 ..	Jones .....	1895	35B	Engine 144
"	" .. 1 ..	Woodhouse Manufacturing Co.	1886	5B	Spare
"	" .. 1 ..	Sebastian Manufacturing Co..	1898	59N.Y.	Hose 9
"	" .. 1 ..	Seagrave Co.....	1909	132B	Engine 149
"	" .. 1 ..	Seagrave Co.....	1909	133B	Engine 151
"	" .. 1 ..	Seagrave Co.....	1909	134B	Engine 159
"	" .. 1 ..	Seagrave Co.....	1909	135B	Engine 169
"	" .. 1 ..	Seagrave Co.....	1909	136B	Engine 171
"	" .. 1 ..	Geo. B. Marx.....	1903	125B	Spare
"	" .. 1 ..	Gleason & Bailey.....	1889	3N.Y.	Spare
"	" .. 1 ..	Jones .....	1895	36B	Newtown
"	" .. 1 ..	P. Barrett Manufacturing Co..	1897	55B	Spare
"	" .. 1 ..	Brooklyn F. Dept. Repair Shops	1893	19B	*H. & L. 65
"	" .. 1 ..	Jones .....	1895	33B	Spare
"	" .. 1 ..	Jones .....	1895	39B	Engine 151
"	" .. 1 ..	G. B. Marx.....	1906	124B	Engine 170
"	" .. 1 ..	G. B. Marx.....	1906	122B	Hose 2
"	" .. 1 ..	G. B. Marx.....	1906	123B	Hose 6
"	" .. 1 ..	G. B. Marx.....	1903	119B	Spare
"	" .. 1 ..	G. B. Marx.....	1903	120B	Hose 5
"	" .. 1 ..	G. B. Marx.....	1903	121B	Engine 175
"	" .. 1 ..	G. B. Marx.....	1903	117B	Spare
"	" .. 1 ..	G. B. Marx.....	1903	118B	Spare
"	" .. 1 ..	Marlborough Brothers.....	1895	37B	Spare
"	" .. 1 ..	P. Barrett Manufacturing Co..	1896	54B	Engine 153
"	" .. 1 ..	C. N. Perkins Co.....	1905	96B	Engine 119

Style.	1, 2, 3. Class.	Manufacturer.	Regis- When tere Bult. Num- ber.	Where in Service.
Platform spring..	1	C. N. Perkins Co.....	1905 97B	Engine 122
"	1	C. N. Perkins Co.....	1905 98B	Engine 124
"	1	C. N. Perkins Co.....	1905 99B	Engine 131
"	1	C. N. Perkins Co.....	1905 100B	Engine 141
"	1	C. N. Perkins Co.....	1905 101B	Engine 158
"	1	George B. Marx.....	1903 105B	Engine 164
"	1	Gleason & Bailey Mfg. Co....	Vol. 106B	Spare
"	1	George B. Marx.....	1903 107B	Engine 166
"	1	George B. Marx.....	1906 109B	Engine 167
"	1	George B. Marx.....	1906 110B	Engine 168
"	1	Gleason & Bailey Mfg. Co....	Vol. 108B	Spare
"	1	Jones .....	1895 34B	Engine 154
"	1	George B. Marx.....	1905 102B	*H. & L. 59
"	1	George B. Marx.....	1905 103B	*Engine 108
"	1	George B. Marx.....	1905 104B	*Engine 112
"	1	Sebastian Wagon Co.....	1898 68N.Y.Eng.	157
"	1	Sebastian Wagon Co.....	1898 60N.Y.Hose	4
"	1	International Fire Eng. Co....	1907 79N.Y.Eng.	161
"	1	Gleason & Bailey Co.....	1894 33N.Y.Eng.	162
"	1	Gleason & Bailey Co.....	1894 113N.Y.Eng.	172
2-wheel reel..	1	Amoskeag Mfg. Co.....	1871 3B	Bayside

\*Boat tenders.

### Classified Description of Fuel Wagons and Water Towers.

Style.	Manufacturer.	Reg. When No. Bult.	Location.
Fuel wagon....	Allen Mfg. Co....	1 1872	H. & L. 53 Fuel Depot 31st Battalion
Fuel wagon....	Allen Mfg. Co....	6 1872	H. & L. 72 Fuel Depot 48th Battalion
Fuel wagon....	Allen Mfg. Co....	8 1872	Engine 102 Fuel Depot 32d Battalion
Fuel wagon....	Allen Mfg. Co....	11 1872	H. & L. 62 Fuel Depot 37th Battalion
Fuel wagon....	Allen Mfg. Co....	13 1872	Engine 134 Fuel Depot 44th Battalion
Fuel wagon....	Allen Mfg. Co....	16 1872	Engine 121 Fuel Depot 35th Battalion
Fuel wagon....	Allen Mfg. Co....	17 1872	H. & L. 56 Fuel Depot 36th Battalion
First-size water tower (Hale's patent).....	Kansas City Fire Dept. Supply Co., Kansas City.....	5 1892	Spare .....
First-size water tower.....	Seagrave Co.....	2025 1907	H. & L. 68 .....
Fuel wagon....	.....	6N.Y..	Engine 128 .....
Fuel wagon....	.....	13N.Y..	Spare .....

### Description of Fire Boats in Service.

#### Boroughs of Manhattan, The Bronx and Richmond.

"Zophar Mills" (Engine 51), Built in 1882.

Length over all, 120 feet; beam, 25 feet; draught, forward, 9 feet; aft, 12 feet; hull, iron; tonnage, 185.49; horsepower, 575; 1 condensing engine; diameter, 30 inches; stroke, 30 inches; 2 boilers, locomotive pattern; steam pressure, 65 pounds; single screw; pumps, double, 16-9-7½, 16-9-7½; capacity of each, 1,500 gallons per minute—3,000 gallons. Designer and architect, Charles H. Haswell. Constructors—Hull, engine and boilers, the Pusey & Jones Company, Wilmington, Del., \$45,800; pumps, Clapp & Jones Manufacturing Company, Hudson, N. Y., \$11,400; total cost, \$57,200.



"The New Yorker" (Engine 57), Built in 1891.

Length over all, 125.5 feet; beam, 26 feet; draught, forward, 9 feet; aft, 12 feet; hull, steel; tonnage, 243.37; horsepower, 800; 1 triple expansion engine; cylinders, high pressure, 15 inches; intermediate, 24 inches; low, 39 inches; stroke, 24 inches; 2 boilers, Scotch pattern; steam pressure, 148 pounds; single screw; pumps, double,  $16\frac{1}{2}$ -11-10, 17-11-10; capacity of each, 6,500 gallons per minute—13,000 gallons. Designer and architect, Charles H. Haswell. Constructors—Hull, Julius Jonson, New York City, \$34,800; engines, Brown & Miller, Jersey City, \$23,650; boilers, McNeil & McLochlin, Greenpoint, L. I., \$19,800; pumps, La France Fire Engine Company, Elmira, N. Y., \$10,000; Clapp & Jones Manufacturing Company, Hudson, N. Y., \$10,000.

"William L. Strong" (Engine 66), Built in 1897.

Size—Length, 110 feet 10 inches; width, 24 feet; draught, 9 feet. Hull, engines and boilers built by J. H. Dialogue & Son, Camden, N. J. Designer and architect, H. de B. Parsons, New York City. Steel hull. Two Scotch boilers; diameter of each, 10 feet by  $1\frac{3}{4}$  inches; 132 tubes in each boiler. Two Morrison suspension furnaces; diameter of furnace,  $38\frac{3}{4}$  inches; grate surface for both, 77 square feet; heating surface of both, 200 square feet. Engine—Single screw invert fore-and-aft compound engine; length of stroke of piston, 22 inches; diameter steam cylinder, high pressure, 16 inches; low pressure, 30 inches; maximum horsepower of engine, 338. Fire pumps—Two sets, single directing duplex crank and flywheel; each steam cylinder, diameter, 17 inches; each water cylinder, diameter, 10 inches; stroke, 11 inches; capacity of each pump, about 3,250 gallons per minute; total capacity of both pumps, 6,500 gallons per minute; cost of pumps, \$8,500. Cost of boat, boilers and engine, \$47,990. Total cost, \$56,490. Four 6-inch and eight  $3\frac{1}{2}$ -inch discharge gates. Three swivel nozzle stand-pipes.

"Abram S. Hewitt" (Engine 77), Built in 1903.

Size—Length over all, 117 feet; length on load water line, 110 feet; beam, moulded, 24 feet  $3\frac{1}{2}$  inches; depth, moulded, 13 feet 4 inches; draught, loaded, 9 feet 9 inches. Hull, engines and boilers built by the New York Shipbuilding Company, Camden, N. J. Designer and Consulting Engineer, H. de B. Parsons, New York City. Steel hull. Two Scotch boilers; diameter of each, 10 feet 9 inches; length, 11 feet  $9\frac{5}{8}$  inches. Each boiler has two Morrison suspension furnaces, 3 feet 4 inches inside diameter; 172 tubes, 3 inches in diameter. Total grate surface of both boilers, 90 square feet; total heating surface, 2,140 square feet. Steam pressure, 140 pounds per square inch. Engine—Single screw, inverted, fore-and-aft compound engine; diameter high pressure cylinder, 17 inches; low pressure, 34 inches; length of stroke, 24 inches. Maximum indicated horsepower, on trial, 649. Fire pumps—Two sets simple, double-acting, direct-connected, duplex crank and flywheel pumps; each steam cylinder diameter, 17 inches; each water cylinder, 10 inches; stroke, 11 inches; capacity of each pump, 3,500 gallons per minute. One small pump, double-acting, direct-connected, duplicate crank and flywheel; each steam cylinder, 9 inches diameter; each water cylinder,  $5\frac{1}{2}$  inches diameter; stroke, 8 inches; capacity, 920 gallons per minute. Total capacity of three sets of pumps, 7,920 gallons per minute. Three swivel, monitor nozzle stand-pipes, equipped with nozzles varying from  $2\frac{1}{2}$  inches in diameter to 5 inches in diameter; two 6-inch and ten  $3\frac{1}{2}$ -inch discharge gates for hose. Cost of hull, fittings, electric lighting, boilers, engines and water piping, \$70,000. Cost of pumps, \$11,000. Cost of monitor nozzles, \$2,750. Total cost of boat complete, delivered in New York, \$83,750.

"George B. McClellan" (Engine 78), Built in 1904.

Hull, engines and boilers built by the New York Shipbuilding Company, Camden, N. J.; designers and architects, Tams, Lamoine & Crane, of New



York; steel hull; two Scotch boilers; diameter of boilers, 9 feet 6 inches; 138 tubes in each boiler; two Morrison suspension furnaces; diameter of furnace, 3 feet 6 inches in each boiler; grate surface, 90 square feet; heating surface, 2,580 feet; single screw; inverted fore-and-aft compound engine; length of stroke, 24 inches; diameter of cylinders, high pressure, 17; low pressure, 34; maximum horsepower, 650; fire pumps, two pair; direct-acting, duplex crank and flywheel, built by the American Fire Engine Company, Seneca Falls, N. Y.; steam cylinder, diameter, 17 inches; water cylinder, 10 inches; stroke, 11 inches; capacity of two pair pumps, 6,000 per minute; small fire pump, direct-acting, duplex crank and flywheel, built by the American Fire Engine Company, Seneca Falls, N. Y.; diameter of steam cylinder, 8 inches; water cylinder, 5½ inches; stroke, 9 inches; capacity, 900 gallons per minute; three swivel nozzles; stand-pipes; discharging gates, 14 by 3½ inches and 2 by 6 inches; coal capacity, 60 tons; total cost, \$84,000.

"James Duane" (Engine 85), Built in 1907.

Length over all, 132 feet; beam, 28 feet; draught, forward, 9 feet; aft, 9 feet 6 inches; hull, steel; tonnage, net, 222 tons; horsepower, 800; two-cylinder compound inverted direct-acting type engine, diameter high pressure cylinder, 18 inches; diameter of low pressure cylinder, 38 inches; stroke, 26 inches; two boilers, Babcock & Wilcox water tube marine type, steam pressure allowed, 200 pounds; two sets of two stage centrifugal pumps so connected that they can be operated as one four-stage pump; capacity of pump when running two stage, 11,000 gallons per minute, at 125 pounds pressure, or 9,000 gallons per minute at 150 pounds pressure; capacity of both pumps when running four stage, 4,500 gallons per minute, at 300 pounds pressure, each pump coupled direct to a 600-horsepower horizontal Curtis turbine engine of the radical flow impulse type; one auxiliary circulating pump, centrifugal type, capacity, 2,500 gallons. Plans, etc., prepared by Millard & MacLean, naval architects. Contractors, Alex Miller & Bro., Jersey City, N. J. Contract price, \$118,925.

"Thomas Willett" (Engine 86), Built in 1907.

Length over all, 132 feet; beam, 28 feet; draught, forward, 9 feet; aft, 9 feet 6 inches; hull, steel; tonnage, net, 222 tons; horsepower, 800; two-cylinder compound inverted direct-acting type engine, diameter of high pressure cylinder, 18 inches; of low pressure cylinder, 36 inches; two boilers, Babcock & Wilcox water tube marine type; steam pressure allowed, 200 pounds; two sets of two-stage centrifugal pumps, so connected that they can be operated as one four-stage pump; capacity of pump when running two-stage, 11,000 gallons per minute, at 125 pounds pressure, or 9,000 gallons per minute at 150 pounds pressure; capacity of both pumps when running four stage per minute, at 300 pounds pressure, 4,500 gallons; each pump coupled direct to a 600 horsepower horizontal Curtis turbine engine, of the radical flow impulse type, one auxiliary circulating pump, centrifugal type, capacity 2,500 gallons. Plans, etc., prepared by Millard & MacLean, naval architects. Contractors, Alex Miller & Bro., Jersey City, N. J. Contract price, \$118,925.

"Cornelius W. Lawrence" (Engine 87), Built in 1907.

Length over all, 104 feet, 6 inches; beam 23 feet, 6 inches; net tonnage, 117; gross tonnage, 172; horsepower, 500; propelling engine of inverted compound condensing type; diameter of high pressure cylinder, 14 inches; of low pressure cylinder, 30 inches; two Babcock & Wilcox water tube boilers; steam pressure allowed, 150 pounds; two fire pumps, of double acting vertical duplex, crank and flywheel type, capacity of each set, 3,500 gallons per minute, with pump pressure at 170 pounds; auxiliaries—one circulating pump, centrifugal type, and one air pump, vertical single acting twin beam type, and one main feed pump, vertical duplex type; capacity of circulating pump, 4,000 gallons

per minute; one donkey and auxiliary feed pump, vertical duplex type, one basin and tank trimming pump, horizontal duplex type; one sanitary pump, horizontal duplex type. Plans prepared by H. de B. Parsons, naval architect. Contractors, Alex Miller & Bro., Jersey City, N. J. Contract price, \$97,800.

## BOROUGH OF BROOKLYN AND QUEENS.

### "Seth Low" (Engine 123).

Length over all, 99 feet 3 inches; beam, 23 feet 9 inches; tonnage, gross, 82.72; net, 41; twin screw; engine, two, high or low pressure; horsepower (nominal), 265 each; cylinders, 16 by 18-inch stroke; steam, 100 pounds; built in Brooklyn in 1885; hull and deckhouse rebuilt, 1904; hull, wood; draught, 9 feet; length of boiler, 14 feet; Scotch; diameter, 9 feet 3 inches; pumps, 4.8 by 10 inches; Clapp & Jones; cylinders, 4, 10-stroke, 16 steam; capacity, 3,500 gallons. Cost, \$36,850.

### "David A. Boody" (Engine 132).

Length over all, 106 feet; draught, 8 feet 6 inches; tonnage, gross, 93.57; net, 46.79 tons; horsepower, 240; style of engines, compound condensing; cylinders, 14 and 26; stroke, 18 inches; boiler, Scotch, with three furnaces; steam carried, 130 pounds; screw, single; pumps, double, 10 inches; steam cylinder, 17 inches; stroke, 11 inches; capacity, 6,500 gallons; make, American Fire Engine Works; built in 1892; beam, 23 feet 6 inches; length of boiler, 14 feet; diameter of boiler, 10 feet 3 inches; built at Nohank, Conn. Cost, \$54,310.

## VOLUNTEER SYSTEM.

### Borough of Richmond.

Town or Village.	Engine Companies.	Hook and Ladder Companies.	Hose Companies.	Total.
Dongan Hills .....	1	..	1	2
Great Kills .....	1	1	..	2
Huguenot .....	1	..	..	1
Pleasant Plains .....	1	1	..	2
Richmond .....	1	..	..	1
Linoleumville .....	..	1	..	1
Kreischersville .....	..	1	..	1
New Dorp .....	..	1	..	1
Castleton Corners .....	..	1	..	1
Rossville .....	..	1	..	1
Total .....	5	7	1	13

Aggregate, 13 companies, 388 men, estimated.

### Borough of Queens.

Town or Village.	Engine Companies.	Hook and Ladder Companies.	Chemical Engine Companies.	Hose Companies.	Total.
Newtown .....	*5	8	..	..	13
Woodhaven .....	1	4	..	4	9
Bayside .....	1	1	..	..	2
Hollis .....	..	1	..	1	2

Town or Village.	Engine Companies.	Hook and Ladder Companies.	Chemical Engine Companies.	Hose Companies.	Total.
Queens .....	..	1	..	1	2
Whitestone .....	..	1	..	3	4
Springfield .....	..	1	1	1	3
Jamaica South .....	..	1	..	..	1
Little Neck .....	..	1	..	..	1
Douglaston .....	..	..	..	1	1
Rosedale .....	..	1	..	..	1
Black Stump .....	..	1	..	..	1
Pleasant Point .....	..	..	..	1	1
Total .....	7	21	1	12	41

Companies marked (\*) are equipped with hose tenders. Aggregate, 41 companies, 1,700 officers and men.

## NUMBER AND CHARACTER OF ALARMS AND MANNER OF RECEIPT.

### Boroughs of Manhattan, The Bronx and Richmond.

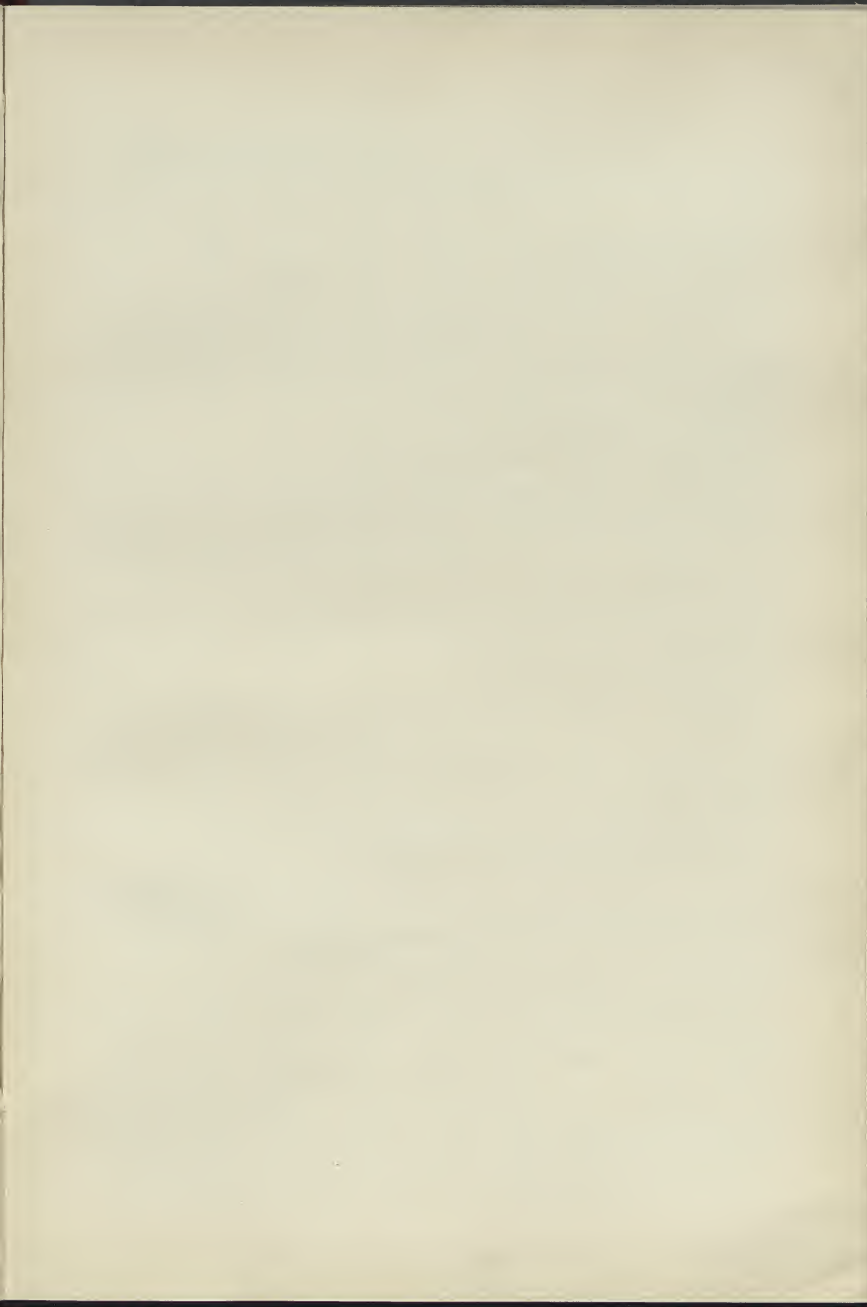
		MANNER OF RECEIPT.				Total.
Alarms.	Verbally.	From Department Street Alarm Boxes.	Special Department Telegraph Signals.	Automatic Telegraph.	Pneumatic Telegraph.	
Fires .....	2,474	5,554	36	51	17	8,132
Indication of Fire ..	7	32	..	..	..	39
Unnecessary .....	104	290	9	31	9	443
False .....	13	231	25	40	30	339
Total .....	2,598	6,107	70	122	56	8,953

Alarms were communicated by attaches of this Department .....	1,218
Alarms were communicated by Police Department .....	791
Alarms were communicated by district key holders .....	16
Alarms were communicated by citizen key holders .....	163
Alarms were communicated by all other means .....	6,765
Total (of which 8,132 were fires) .....	8,953

### Boroughs of Brooklyn and Queens.

		MANNER OF RECEIPT.			Total.
Alarms.		From Department Street Alarm Boxes.	Special Department Telegraph Signals.	Automatic Telegraph.	
Fires .....	2,367	48	1,874	16	4,305
Indication of fire .....	110	1	66	6	183
Unnecessary .....	53	14	16	35	118
Total .....	2,530	63	1,956	57	4,606

Alarms were communicated by attaches of this Department .....	1,074
Alarms were communicated by attaches of Police Department .....	558
Alarms were communicated by district key holders .....	1,106
Alarms were communicated by citizen key holders .....	202
Alarms were communicated by keyless boxes .....	562
Alarms were communicated by all other means .....	1,104
Total (of which 4,305 were fires) .....	4,606



## Boroughs of Manhattan, The Bronx

	January.	February.	March.	April.	May
In buildings—					
Confined to point of starting .....	583	515	556	495	482
Confined to building .....	61	48	46	51	37
Extended to other buildings .....	14	7	16	8	9
In vessels .....	4	5	3	1	3
In places other than buildings and vessels .....	27	27	55	55	50
Total .....	689	602	676	610	581
Extinguished without engine stream ...	409	365	405	361	357
Extinguished with one engine stream...	178	166	195	178	162
Extinguished with two or three engine streams .....	46	36	36	24	27
Extinguished with more than three engine streams .....	6	5	6	10	3
Extinguished with one high pressure stream .....	27	23	19	16	24
Extinguished with two or three high pressure streams .....	17	6	12	15	6
Extinguished with more than three high pressure streams .....	6	1	3	6	2
Total .....	689	602	676	610	581
Extent of. Damage to Buildings and Vessels.					
Built mainly of brick, stone or iron—					
Slight .....	73	60	62	35	32
Considerable .....	14	9	12	9	8
Destroyed .....	..	..	..	1	..
Built mainly of wood—					
Slight .....	7	9	8	11	13
Considerable .....	4	1	7	7	3
Destroyed .....	8	1	8	3	3
Total .....	106	80	97	66	59
Between 6 a.m. and 6 p.m. ....	377	323	375	302	293
Between 6 p.m. and 6 a.m. ....	312	279	301	308	288
Total .....	689	602	676	610	581

Water consumption, 93,599,393 gallons, of which 26,750,466 gallons were river water.

## Boroughs of Brooklyn and

	January.	February.	March.	April.	May
In buildings—					
Confined to point of starting .....	266	280	276	240	231
Confined to building .....	48	31	30	31	8
Extended to other buildings .....	8	14	6	14	10
In vessels .....	1	2	9	1	3
In places other than buildings and vessels .....	25	23	40	50	55
Total .....	348	350	361	336	307
Extinguished without engine stream ..	197	207	204	201	201
Extinguished with one engine stream..	86	96	112	88	74
Extinguished with two or three engine streams .....	44	27	33	36	17

## and Richmond—Statistics of Fires.

June.	July.	August.	September.	October.	November.	December.	Year.
474	726	539	443	529	540	668	6,550
24	42	32	24	45	55	63	528
5	23	11	5	9	7	20	134
4	10	6	3	3	2	4	48
49	136	54	54	117	167	81	872
556	937	642	529	703	771	836	8,132
383	619	418	359	417	430	473	4,996
130	219	148	122	210	256	231	2,195
23	47	33	21	32	36	51	412
5	9	10	3	5	7	13	82
12	25	19	16	25	28	51	285
3	10	9	4	8	8	10	108
..	8	5	4	6	6	7	54
556	937	642	529	703	771	836	8,132
27	42	50	30	27	51	70	559
4	7	9	7	8	11	15	113
1	..	1	..	1	..	..	4
1	6	6	5	10	13	10	99
5	8	8	..	4	5	5	57
2	10	4	4	3	9	1	56
40	73	78	46	53	89	101	888
298	492	318	280	374	393	442	4,267
258	445	324	249	329	378	394	3,865
556	937	642	529	703	771	836	8,132

## Queens—Statistics of Fires.

June.	July.	August.	September.	October.	November.	December.	Year.
252	352	233	209	267	253	377	3,236
16	18	15	9	15	27	36	284
8	15	11	9	14	15	26	150
3	6	3	2	..	2	6	38
40	114	46	40	44	57	63	597
319	505	308	269	340	354	508	4,305
191	308	191	175	234	214	310	2,633
89	143	81	64	67	94	127	1,121
22	38	24	12	26	31	46	356

	January.	February.	March.	April.	May
Extinguished with more than three engine streams .....	12	11	4	5	6
Extinguished with one high pressure stream .....	7	5	4	..	3
Extinguished with two or three high pressure streams .....	2	3	3	3	4
Extinguished with three high pressure streams .....	..	1	1	3	2
Total .....	348	350	361	336	307
Extent of Damage to Buildings and Vessels.					
Built mainly of brick, stone or iron—					
Slight .....	119	126	131	88	103
Considerable .....	1	6	4	3	4
Destroyed .....	1	2	2	1	..
Built mainly of wood—					
Slight .....	123	96	111	106	75
Considerable .....	17	22	12	15	6
Destroyed .....	12	1	4	8	7
Total .....	273	253	264	221	195
Between 6 a.m. and 6 p.m. ....	194	176	185	170	163
Between 6 p.m. and 6 a.m. ....	154	174	176	166	144
Total .....	348	350	361	336	307

Water consumption, 30,905,489 gallons, of which 14,185,263 gallons were river water.

## UNIFORMED FORCE.

### Appointed.

#### PROBATIONARY FIREMEN.

Boroughs of Manhattan, The Bronx and Richmond .....	165
Boroughs of Brooklyn and Queens .....	63

#### PILOTS.

Boroughs of Manhattan, The Bronx and Richmond .....	1
Boroughs of Brooklyn and Queens .....	1
Total .....	230

### Promoted.

Boroughs of Manhattan, The Bronx and Richmond—	
Chief of Battalion to Deputy Chief, Marine Division .....	1
Assistant Foremen to Foremen .....	15
Engineers of steamer to Assistant Foremen .....	9
Firemen, first grade, to Assistant Foremen .....	9
Firemen, first grade, to Engineers of Steamer .....	16
Boroughs of Brooklyn and Queens—	
Assistant Foremen to Foremen .....	12
Engineers of Steamer to Assistant Foremen .....	5
Firemen, first grade, to Assistant Foremen .....	8
Firemen, first grade, to Engineers of Steamer .....	4
Total .....	79

### Resignations.

Boroughs of Manhattan, The Bronx and Richmond .....	11
Boroughs of Brooklyn and Queens .....	2
Total .....	13



June.	July.	August.	September.	October.	November.	December.	Year.
9	6	2	3	1	5	12	76
5	6	6	7	12	8	6	69
2	3	3	7	..	1	6	37
1	1	1	1	..	1	1	13
<u>319</u>	<u>505</u>	<u>308</u>	<u>269</u>	<u>340</u>	<u>354</u>	<u>508</u>	<u>4,305</u>
90	126	91	90	102	104	125	1,295
5	5	..	1	..	3	3	35
1	..	..	..	..	..	..	7
101	176	101	87	119	111	109	1,315
14	13	7	1	6	11	23	147
2	1	4	2	10	6	15	72
<u>213</u>	<u>321</u>	<u>203</u>	<u>181</u>	<u>237</u>	<u>235</u>	<u>275</u>	<u>2,871</u>
155	309	155	116	185	192	302	2,302
164	196	153	153	155	162	206	2,003
<u>319</u>	<u>505</u>	<u>308</u>	<u>269</u>	<u>340</u>	<u>354</u>	<u>508</u>	<u>4,305</u>

## Dismissed.

Boroughs of Manhattan, The Bronx and Richmond .....	12
Boroughs of Brooklyn and Queens .....	6
Total .....	<u>18</u>

## Reinstated.

Boroughs of Manhattan, The Bronx and Richmond .....	12
Boroughs of Brooklyn and Queens .....	5
Total .....	<u>17</u>

## Died.

Boroughs of Manhattan, The Bronx and Richmond .....	12
Boroughs of Brooklyn and Queens .....	14
Total .....	<u>26</u>

## Retired After Twenty Years' Service.

Boroughs of Manhattan, The Bronx and Richmond .....	30
Boroughs of Brooklyn and Queens .....	23
Total .....	<u>53</u>

## Retired for Disability.

Boroughs of Manhattan, The Bronx and Richmond .....	13
Boroughs of Brooklyn and Queens .....	18
Total .....	<u>31</u>

## Deaths Among Those Retired From All Service.

Boroughs of Manhattan, The Bronx and Richmond .....	16
Boroughs of Brooklyn and Queens .....	9
Total .....	25

## MEDICAL ATTENDANCE.

Boroughs of Manhattan, the Bronx and Richmond—	
Number of cases of illness .....	806
Number of cases of injury .....	266
Total .....	1,072
Time lost by illness (days) .....	7,567
Time lost by injury (days) .....	2,867
Total .....	10,434
Boroughs of Brooklyn and Queens—	
Number of cases of illness .....	336
Number of cases of injury .....	148
Total .....	484
Time lost by illness (days) .....	3,609
Time lost by injury (days) .....	2,398
Total .....	6,007

The Board of Medical Officers examined 236 applicants for appointment to the uniformed force, and rejected 21. They also examined 52 members of the uniformed force to determine their fitness to continue longer in the service.

## Presentation of Medals—Boroughs of Manhattan and The Bronx.

On Thursday, December 23rd, 1909, at 3 o'clock P. M., in the office of the Commissioner in the Headquarters building, Manhattan, the presentation of medals for the year 1908, based upon reports of the Board on Merit, consisting of three Deputy Chiefs of Department, was made by the Mayor of the City to the officers and members of the uniformed force, who, by noteworthy acts of heroism performed at personal risk, had earned these tokens of distinction for the year 1908, and to the foreman of the company adjudged by the Board to have been the best disciplined, as follows:

## Class A.

Bennett Medal—To Chief of Battalion George L. Ross, Manhattan, for action at fire premises 226 Fourth avenue, in said borough, on January 10th, 1908.

Wertheim Medal—To Fireman 3rd Grade David H. Mullen, of Hook and Ladder Co. 30, Manhattan, for action at fire premises 122 West 127th street, in said borough, on December 24th, 1908.

## Class B.

Bonner Medal—To Foreman John J. Kelly, No. 1, of Hook and Ladder Co. No. 9, Manhattan, for action at fire premises 43-45 Worth street, in said borough, on February 4th, 1908, while Assistant Foreman of Hook and Ladder Co. No. 1.

Strong Medal—Fireman 1st Grade William Sythes, of Hook and Ladder Co. No. 2, Manhattan, for action at fire premises 725 Third avenue, in said borough, on April 17th, 1908.

Trevor-Warren Medal—Fireman 2nd Grade James Brown, of Hook and Ladder Co. No. 18, Manhattan, for action at fire premises 101 Orchard street, in said borough, on May 7th, 1908.

Unclassed.

The Stephenson (Discipline) Medal—To Foreman Michael F. Ruddy, Engine Co. 22, Manhattan.

### Borough of Brooklyn.

Class A.

Hurley Medal—Fireman 1st Grade Carl A. Montelin, of Hook and Ladder Co. 60, Brooklyn, for action at fire premises 833 Fulton street, in said borough, on February 27th, 1908.

Brooklyn Eagle Medal—To Assistant Foreman Dennis McCauley, of Engine Co. 136, Brooklyn, for action at fire premises 3286 Fulton street, in said borough, on May 7th, 1908.

Citizens Medal—To Assistant Foreman James Sherry, of Engine Co. No. 128, Brooklyn, for action at fire premises 1003-1009 39th street, in said borough, on October 10th, 1908.

## FIRE ALARM TELEGRAPH BUREAU.

### Report of the Boroughs of Manhattan, The Bronx and Richmond.

#### Borough of Manhattan.

##### Alarms and Calls.

First alarms from street boxes (by Auxiliary 71) .....	5,290
Special building boxes .....	6
Automatic Fire Alarm Company .....	118
Automatic false alarms .....	60
Consolidated Fire Alarm Company .....	58
Consolidated false alarms .....	34
National District Telegraph Company .....	51
National District false alarms .....	28
Special Fire Alarm Electrical Signal Company .....	9
Special Fire Alarm false alarms .....	1
Alarms by public telephone .....	717
Alarms from Police Headquarters .....	135
Second alarms .....	61
Third alarms .....	25
Fourth alarms .....	3
Fifth alarms .....	1

##### Special Calls for—

Engine companies .....	52
Hook and ladder companies .....	116
Water towers .....	5
Searchlight engine .....	4
High pressure company .....	2
Fuel wagon .....	10
Borough signal .....	45
Ambulances .....	133
Insurance patrols .....	95
Notice of still alarms .....	2,067
Messages received .....	19,245
Messages transmitted .....	26,110

The alarm system in the borough of Manhattan comprises the following signal stations:

Street boxes, Class 1 (14 added during quarter) .....	815
Public Schools (1 disconnected during year) .....	173
City Institutions (6 disconnected during year) .....	46
Manhattan "L" Road .....	20

The following fire alarm signal stations are maintained by auxiliary fire alarm companies, outside of the Department:

Automatic Fire Alarm Co. (33 added during year) .....	1,306
Consolidated Fire Alarm Co. (15 disconnected during year) .....	353
Manhattan Fire Alarm Co. (12 disconnected during year) .....	689
National District Telegraph Co. (35 added during year) .....	224
Special Fire Alarm Electrical Signal Co. (44 added during year) .....	516

The underground system of the Department in the borough of Manhattan consists of 138.75 miles of cable in subways, or 1,223.24 miles of conductor. During the year 62,845 feet of cable were pulled in, of which 35,768 feet were for alterations and repairs and 27,077 feet were for extending the system. 29,750 feet of wire were strung for alterations and repairs. 119,010 feet of wire were taken down. 16,226 feet of aerial cable were strung, of which 9,666 feet were for alterations and repairs and 6,560 feet were for extending the system. 8,393½ feet of pipe were laid, of which 2,915½ feet were for alterations and repairs and 6,198 feet were for extending the system. Three poles were set, 12 poles reset, and 118 poles taken down.

### Borough of the Bronx.

#### Alarms and Calls.

First alarms from street boxes .....	673
Alarms by public telephone .....	54
Second alarms .....	16
Third alarms .....	2
Fourth alarms .....	1
Special Calls for—	

Engine companies .....	8
Hook and ladder companies .....	10
Fuel wagons .....	1
Ambulances .....	9
Notice of still alarms .....	331
Messages received .....	2,133
Messages transmitted .....	555

The alarm system in the borough of The Bronx comprises the following signal stations:

Street boxes, Class 2 (2 added during year) .....	375
Public Schools .....	46
City Institutions .....	12

During the year 173,656 feet of wire were strung for alterations and repairs to the system. 227,990 feet of wire were taken down. 5,460 feet of aerial cable were strung for alterations and repairs. 34 poles were set, 110 poles reset, and 40 poles taken down. 140 feet of underground cable were pulled in and 82 feet of pipe were laid.

### Borough of Richmond.

#### Alarms and Calls.

First alarms from street boxes .....	138
Alarms by public telephone .....	43
Alarms from police .....	4
Second alarms .....	4
Third alarms .....	3
Special Calls for—	

Engine companies .....	5
Hook and ladder companies .....	2
Borough signals .....	19
Ambulances .....	4

Notice of still alarms .....	115
Messages received .....	3,096
Messages transmitted .....	2,923

The alarm system in the borough of Richmond comprises the following signal stations:

Street boxes, Class 1 (3 added during year) .....	176
Special building boxes, Class 3 (6 added during year) .....	35
Auxiliary attachments (1 added during year) .....	3

During the year 36,180 feet of wire were strung for alterations and extensions to the system, 810 feet of aerial cable were strung, and general repairs and inspections made.

During the year 1909 great progress was made in the borough of Manhattan in placing the remaining overhead portion of the fire alarm telegraph system underground. The poles and wires on First avenue, between 99th and 104th streets, and on 99th street to the fireboat were removed, and the overhead wires leading to the fireboat at the foot of East 132nd street were also removed. Pole lines and overhead wires were also removed as follows: 145th street, between Lenox and Seventh avenues and Seventh avenue and Broadway; Lenox avenue, between 140th and 145th streets; St. Nicholas avenue, between 145th and 156th streets; Broadway, between Manhattan and 146th streets; Amsterdam avenue, between 154th and 156th streets.

#### Recommendations of Chief of Department in Charge of Bureau.

That an appropriation be obtained for the borough of Manhattan, to be expended in installing additional fire alarm signal stations, urgently needed; for repairs to the underground system, for the replacing of small test posts and combination fire alarm signal and lamp posts with new and larger ones, and for the purpose of removing the cables strung on the structures of the elevated railroads, which are a menace to the fire alarm telegraph system. The new boxes, posts, etc., and new underground work could, without doubt be used in connection with the proposed new fire alarm telegraph system.

An appropriation is also necessary for the borough of The Bronx, for the purpose of placing overhead wires underground. Many miles of subways are available, and the wires in the lower portion of the borough, at least, should be placed underground. The erection of a new central office, a matter that has been under consideration for some time, should also receive immediate attention.

The addition of two box circuits to relieve the present circuits, and to extend the system in the borough of Richmond, is also necessary, and an additional combination and gong circuit should also be extended between the Central Office and Tottenville to take in the companies at that point. An up-to-date transmitter for the proper sending of fire signals is also absolutely necessary.

#### Boroughs of Brooklyn and Queens.

##### Borough of Brooklyn.

##### Alarms and Calls.

5,627 alarms and calls were received and transmitted as follows:

Alarms .....	4,037
Still alarms .....	656
Verbal alarms .....	934

##### Sources of Alarms.

From street boxes .....	2,143
From special building boxes .....	23
From Pneumatic F. A. Co. ....	52
From telephone .....	185
From National District Tel. Co. ....	15

From company quarters .....	23
From Police Department .....	6
Still alarms .....	656
Verbal alarms .....	934

Total ..... 4,037

#### Calls.

Special calls for companies .....	81
Second alarms .....	71
Third alarms .....	23
Fourth alarms .....	1
Ambulance calls .....	60

Total ..... 236

#### Messages.

Received ..... 126,570 Transmitted ..... 136,567

#### Wire Mileage.

There are 1090 7-8 miles of electrical conductors now in operation in the borough of Brooklyn.

#### Copper Wire Disbursements.

52¼ miles of No. 10 insulated copper wire were used for repairs.  
 11½ miles of No. 10 insulated copper wire were used for extensions.  
 9,313 feet of No. 14 twisted pair, insulated copper wire used for repairs.  
 1,980 feet of No. 18 twisted pair, insulated copper wire used for repairs.  
 1,025 feet of No. 14 single, insulated copper wire used for repairs.  
 775 feet of No. 16 cotton, insulated copper wire used for repairs.  
 30 feet of No. 9 iron wire used for repairs.

#### Mileage Decreased.

2¼ miles of No. 10 insulated copper wire were removed.

#### Cable.

530 feet of electrical conductors were used for replacements.

#### Poles.

There are 3,523 poles the property of and in use by this Department. This includes 1,425 poles the joint property of the Fire Department and The New York Telephone Co.

Renewed, 34. Reset, 39. Removed, 63.

#### Fire Alarm Boxes.

68 boxes were added to the service during the year, of which 46 are public street boxes and 22 are private or special building boxes, as follows:

Class 1 .....	16
Class 2 .....	30
Class 3 .....	22

Total ..... 68

There are 1,587 fire alarm boxes now in operation on 33 circuits, as per the following:

#### Borough of Queens.

##### Alarms and Calls.

228 alarms and calls were received and transmitted as follows:

Alarms .....	128
Verbal alarms .....	30
Still alarms .....	62

Total ..... 220



## Sources of Alarms.

From street boxes .....	121
From telephone .....	6
From Police Department .....	1
Verbal alarms .....	30
Still alarms .....	62

Total ..... 220

## Calls.

Special calls for companies .....	2
Second alarms .....	1
Ambulance calls .....	5

Total ..... 8

91 alarms were responded to in the Volunteer Departments.

## Messages.

Received ..... 17,591 Transmitted ..... 19,666

## Wire Disbursements.

5¾ miles of No. 10 insulated copper wire were used for repairs.

1½ miles of No. 14 twisted pair, insulated copper wire used for repairs.

100 feet of No. 18 twisted pair, insulated copper wire used for repairs.

## Boxes.

Seven (7) Class 3 fire alarm boxes were added to the service during the year, and five (5) were added to the Volunteer Departments.

There are 586 fire alarm boxes now in operation on 19 circuits, as follows:

Paid Department, Class 3 .....	66
Paid Department, Class 4 .....	312
Volunteer Departments .....	208

Total ..... 586

## BUREAU OF VIOLATIONS AND AUXILIARY FIRE APPLIANCES. CHIEF OF DEPARTMENT IN CHARGE.

### Boroughs of Manhattan, The Bronx and Richmond.

	1909.	1908.
Semi-annual reports received from company commanders and examined....	18,108	17,857
Inspections made by office force, business buildings.....	2,483	2,053
Inspections made by theatre inspectors, theatres.....	8,456	12,646
Inspections, special, of premises having common show or concert licenses, at request of Police Department and Bureau of Licenses.....	753	533
Communications and special reports.....	1,155	984
Notices prepared .....	186	
Withdrawn as premises were discontinued as lodging house.....	1	
Notices served .....		185
Notices carried over.....	6	
Notices withdrawn.....	4	
Notices complied with.....	105	
Violations forwarded to Corporation Counsel.....	69	
Time limit unexpired.....	1	
	185	
Withdrawn after being sent to Corporation Counsel.....	1	

184



The notices served during the year resulted in the following appliances being installed and conditions corrected:

	Number of Buildings.	
	1909.	1908.
Standpipe equipments, which include the necessary connections and hose with means to supply same, either by gravity, pressure, tanks or pumps, connected locally or by outside connections for use of Fire Department engines .....	35	21
Automatic sprinkler equipments, wet and dry.....	47	84
Perforated pipe (cellar and sub-cellar) equipments.....	25	81
Outside connections, for standpipe equipments previously installed, and necessary repairs and changes made.....	15	3
Means of communicating alarms of fire to Fire Department headquarters from hotels, hospitals, etc.....	172	20
Interior alarm systems, consisting of large gongs in hallways of hotels, etc., to warn occupants of fire and minimize delay in use of available means of escape.....	33	28
Proper sign in halls, indicating location of exits.....	32	21
Diagrams in rooms.....	11	14
Time detector (watchman's clock).....	10	6
Rope fire escapes.....	7	5
Other conditions corrected, such as repairs to standpipe equipments, changing of outside connections, replacing of wornout hose, testing of and recharging extinguishers, refilling of water pails, repairs to fire doors and shutters; accumulations of explosive and combustible material, defective lighting and heating arrangements, etc. (reports of which were transmitted to proper authorities, when necessary).....	72	52
	459	335

The following portable fire appliances were installed:

	1909.	1908.
Metal fire buckets .....	2,366	1,673
Fire hooks .....	813	219
Fire axes .....	781	205
Three gallon liquid chemical extinguishers .....	870	235

During the year, in addition to the regular inspection work performed by the men attached to the Bureau, those detailed as Theatre Inspectors made the following inspections:

	Matinees.	Evenings.	Total.
January .....	396	425	821
February .....	346	386	732
March .....	350	391	741
April .....	302	421	723
May .....	356	420	776
June .....	320	389	709
July .....	195	222	417
August .....	221	283	504
September .....	336	407	743
October .....	352	417	769
November .....	345	422	767
December .....	344	410	754
	3,863	4,593	8,456

During the year 127 plans for fire protection work, such as standpipes (fire lines), sprinkler work and perforated pipes, were filed, examined, checked up and approved by this office, and the work inspected regularly while in progress.

**Boroughs of Brooklyn and Queens.**

	1909.
Inspections and re-inspections .....	863
Inspections at request of Police Department, where licenses for theatres and concerts were applied for .....	159
Inspections at request of License Bureau, where common show licenses and dancing academy licenses were applied for .....	489
Inspections at request of Corporation Counsel's office .....	42
Semi-annual reports from company districts, submitted in April and October ...	7,173
Notices carried .....	109
Notices served .....	109
Notices complied with .....	63
Notices withdrawn .....	5
Violations forwarded to Corporation Counsel .....	41
	109

**Auxiliary Appliances Installed.**

	1909.
Standpipe systems (buildings) .....	2
Sprinkler systems (buildings) .....	7
Telegraphic communication with headquarters .....	8
Interior electric alarm systems .....	5
Watchmen's time detectors .....	1
Rope fire escapes (buildings) .....	12
Red lights and signs over exits (buildings) .....	254
Fire extinguishers .....	729
Fire hooks .....	595
Fire axes .....	623
Buckets .....	1,449

During the year 19 plans for fire protection work, such as standpipes (fire lines), sprinkler work and perforated pipes were filed, examined, checked up and approved by this office, and the work inspected regularly while in progress.

**BUREAU OF COMBUSTIBLES,****Money Received and Turned Over to the Relief Fund for Licenses and Permits Issued, Penalties Collected, Etc.****Boroughs of Manhattan, The Bronx and Richmond.**

15	Blasting explosives first class magazine licenses issued, at \$30. ....	\$450.00
100	Blasting explosives second class magazine licenses issued, at \$20. ....	2,000.00
135	Blasting explosives third class magazine licenses issued, at \$10. ....	1,350.00
5	Explosives, sale and transportation licenses issued, at \$25. ....	125.00
11	Gunpowder, licenses for sale of, issued, at \$10. ....	110.00
2	Manufacturer of fireworks licenses issued, at \$100. ....	200.00
21	Wholesale fireworks licenses issued, at \$20. ....	420.00
631	Retail fireworks permits issued, at \$5. ....	3,155.00
115	Wholesale match licenses issued, at \$5. ....	575.00
2,293	Kerosene oil licenses issued, at \$10. ....	22,930.00
33	Street fire permits issued, at 50 cents. ....	16.50
186	Fireworks display permits issued, at \$2. ....	372.00
5,086	Special permits issued, at \$2. ....	10,172.00
597	Special permits issued, at \$10. ....	5,970.00
9	Special permits issued, at \$25. ....	225.00
33	Special permits issued, at \$50. ....	1,650.00
450	Certificates of fitness issued, at \$5. ....	2,250.00
	Total licenses, permits, etc., issued. ....	\$51,970.50
155	Chimney fire penalties, at \$5. ....	775.00
	Total received and turned over to Relief Fund. ....	\$52,745.50

**Boroughs of Brooklyn and Queens.**

1	Blasting explosives first class magazine licenses issued, at \$30. ....	\$30.00
31	Blasting explosives third class magazine licenses issued, at \$10. ....	310.00
13	Gunpowder, licenses for sale of, issued, at \$10. ....	130.00
4	Wholesale fireworks licenses issued, at \$20. ....	80.00
531	Retail fireworks permits issued, at \$5. ....	2,655.00
55	Wholesale match licenses issued, at \$5. ....	275.00
3,096	Kerosene oil licenses issued, at \$10. ....	30,960.00
47	Street fire permits issued, at 50 cents. ....	23.50
4,608	Special permits issued, at \$2. ....	9,216.00
593	Special permits issued, at \$10. ....	5,930.00
15	Special permits issued, at \$25. ....	375.00
8	Special permits issued, at \$50. ....	400.00
10	Special permits issued, at \$100. ....	1,000.00
46	Certificates of fitness issued, at \$5. ....	230.00
	Total licenses, permits, etc., issued. ....	\$51,664.50
77	Chimney fire penalties at \$5. ....	385.00
	Total received and turned over to Relief Fund. ....	\$52,049.50

# Operations Under the Laws Regulating the Storage of Combustibles and Explosive Materials, Etc.

## Boroughs of Manhattan, The Bronx and Richmond.

Complaints of Violations, Etc.	Section of Greater New York Charter.	Pend- ing Jan. 1, 1909.	Received Since.	Total to Be Dis- posed of	DISPOSITION					Now Pending.	
					Complied on Notice.	Unfounded.	Penalties Collected.	Prosecution Penalties Recom- mended.	Total.		
Chimney fires, Violation of....	\$760	41	265	306	...	4	139	122	10	275	31
Hoistways found open after close of business, Violation of \$761		30	12	42	...	2	...	30	3	35	7
Explosives found in violation of \$763		2	131	133	130	2	...	...	...	132	1
Fireworks found in violation of \$764		...	161	161	159	...	...	...	2	161	...
Petroleum and petroleum prod- ucts found in violation of....	\$765	157	2,142	2,299	2,055	188	...	...	10	2,253	46
Selling kerosene without license, violation of.....	\$766	29	735	764	682	72	...	...	2	756	8
Chemicals and dangerous mate- rials in violation of.....	\$769	68	1,857	1,925	1,673	106	...	...	3	1,782	143
Hay, straw and vegetable fibre in violation of.....	\$770	39	831	870	801	56	...	...	4	861	9
Dangerous conditions, violation of .....	\$771	43	1,319	1,362	1,270	63	...	...	5	1,338	24
Total .....		409	7,453	7,862	6,770	493	139	152	39	7,593	269

Special surveys and inspections made to determine the fitness of premises for the storage of combustibles or explosive material, including also complaints investigated..... 30,012

Special surveys of places of amusement..... 835

Samples of kerosene oil collected and tested, including oils for use of this and other city departments..... 665

Surveys of blasting operations by members of uniformed force..... 30,412

Surveys of blasting operations by bureau force..... 3,045

Fireworks displays supervised..... 639

Seizures of explosives, etc..... 103

Dangerous contrivances, real or alleged, examined..... 3,045

# Boroughs of Brooklyn and Queens

Section of Greater New York Charter.	Pend- ing Jan. 1, 1909.	Received Since.	Total to Be Dis- posed of	DISPOSITION					Now Pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Prosecution Penalties Recom- mended.	Total.	
Complaints of Violations, Etc.									
Chimney fires, Violation of....	8	176	184	...	...	77	59	39	175
Hoistways found open after close of business, Violation of	1	2	3	...	3	...	...	...	3
Petroleum and petroleum prod- ucts found in violation of....	200	421	621	525	78	...	...	...	603
Selling kerosene without license, violation of.....	67	243	310	241	59	...	...	...	300
Chemicals and dangerous mate- rials in violation of.....	45	1,202	1,247	1,022	163	...	...	...	1,185
Hay, straw and vegetable fibre in violation of.....	25	186	211	157	37	...	...	...	194
Dangerous conditions, violation of .....	12	226	238	155	47	...	...	...	202
Total .....	358	2,456	2,814	2,100	387	77	59	39	2,662

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials.....	7,521
Special surveys of places of amusement.....	428
Samples of kerosene oil collected and tested.....	356

During the year 1909, 30,012 inspections to determine the fitness of premises for the sale, use or storage of combustibles were made, as against 28,967 for the preceding year. Included in the number are 7,453 complaints of violations of the combustible laws, nearly half of which related to conditions in tenement houses, as against 6,468 for the year 1908. During 1909 there were made 885 inspections of theatres as against 673 for 1908, with a view to regulating the storage of old scenery and other combustible materials in the flies and on or beneath the stage and auditorium of these places of amusement. During the year careful supervision was exercised over places where high explosives were stored and blasting operations carried on, there being of the latter an average of 150 jobs, large and small, in progress daily.

The Inspector of Combustibles makes the following suggestions:

1. That holders of certificates of fitness, especially blasters, should file in his bureau two unmounted small photographs, one to be affixed to the certificate, the other to stub of certificate book. He considers this necessary for identification purposes and to prevent illegal use.
2. That garages and other places using volatile and inflammable liquids in large quantities be required to install oil separators.
3. That the book of regulations, edition of January, 1909, after revision, be adopted by items as ordinances.
4. That a magazine conveniently located be established for use by his bureau in storing seized explosives, and dynamite for sappers and miners.
5. That legislation be sought, providing that the handling and storing of dynamite by unauthorized persons, be considered as done with the intent to commit crime.
6. That the storing and handling of nitro-cellulose compounds, especially celluloid, be regulated.
7. That a safety can or container, in which to store volatile inflammable liquids be approved by the Commissioner. The container is necessary for use by painters, plumbers, printers, cleaners, tailors and others, and in workshops as well as public and private garages.
8. That those handling or in charge of hazardous stock in wholesale drug stores and chemical factories should hold certificates of fitness.

## BUREAU OF FIRE MARSHAL.

### Boroughs of Manhattan, The Bronx and Richmond.

The total number of fires occurring during the year 1909 was 8,132, with a total estimated loss of \$5,388,390, representing an average loss per fire of \$662.61. A recapitulation of the statistics shows a decrease of 510 fires as compared with the number for 1908, in the amount of total loss of \$809,503, and in the average loss per fire of \$54.57.

The principal causes of fire during the year were as follows:

Carelessness with matches .....	728
Children playing with matches or fire .....	222
Carelessness with candles, tapers, etc. ....	293
Carelessness with lighted cigars or cigarettes .....	477
Overheated stoves, stove pipes, etc. ....	359
Gaslights in contact with curtains, etc. ....	204
Chimney fires, defective flues, etc. ....	372
Bonfires, brush fires, etc. ....	472
Sparks or heat from bonfires, brush fires, etc. ....	174

Of the total number of fires, 3,026 caused damage less in amount than \$10; 2,827, between \$10 and \$100; 1,722, between \$100 and \$1,000, and 403, between \$1,000 and \$5,000.

There were 44 arrests for arson, and 8 cases pending from the year 1908, making a total of 52, which were disposed of as follows:

#### Convictions.

Found guilty and sentenced .....	7
Adjudged insane and committed to asylum .....	1

#### Acquittals.

Discharged by Magistrates .....	22
Discharged by Judges of the Court of Special Sessions .....	1
Acquitted by Juries .....	9
Indictments dismissed by Judges of the Court of General Sessions ....	2
Cases pending December 31st, 1909 .....	10

During the year 1909, 552 complaints were received and investigated. They were disposed of as follows:

Orders complied with .....	351
No cause for complaint .....	100
Referred to other departments .....	9
Referred to Corporation Counsel .....	3
Pending .....	89

Seventy-one persons lost their lives at various fires during the year 1909, forty-six as the result of carelessness. A careful investigation of these fires disclosed the following facts:

- 20 were burned to death by carelessness in the handling of matches.
- 1 was burned to death as the result of upsetting of a kerosene oil lamp.
- 16 lost their lives through their clothing igniting from stoves and gas ranges.
- 7 lost their lives through carelessness with lighted cigars or cigarettes.
- 2 died from burns received by their clothing taking fire from flame of candle.
- 5 died from burns received by the explosion of celluloid.
- 1 was burned to death at fire caused by defective insulation of electric light wires.
- 2 died from injuries sustained by jumping from windows.
- 4 were suffocated in hallways while attempting to arouse the occupants of burning buildings.
- 1 was burned to death from fire caused by overheated stove.
- 1 was burned to death by overheated stove igniting bed clothing.
- 2 lost their lives from locomotive sparks setting fire to building.
- 8 lost their lives in a fire of suspicious origin at 37 Spring street on April 30, 1909. Leopold Siano was arrested and charged by a Coroner's Jury with setting fire to the premises. He was discharged, however, on the motion of the District Attorney.

The Fire Marshal, boroughs of Manhattan, The Bronx and Richmond, renews his recommendation made in report for 1908, that the legislature be requested so to amend Section 780 of the Charter as to confer upon this department the right to issue orders compelling owners of premises to fireproof dumbwaiter shafts and elevator shafts of all kinds and to remedy any and all dangerous conditions. This recommendation is made in view of the fact that the Court of Appeals has decided the department has not such power under the existing law.



## Losses and Insurance, Borough of

	January.	February.	March.	April.	May.	June.
Estimated Loss:						
Insured and						
Uninsured—						
On buildings						
and vessels	\$199,370	\$72,668	\$125,135	\$105,087	\$94,225	\$89,095
On contents.	740,720	182,405	225,101	265,036	427,543	276,549
Total .....	\$940,090	\$255,073	\$350,236	\$370,123	\$521,768	\$365,644
Estimated In-						
surance:						
On buildings	\$15,152,000	\$11,956,700	\$16,387,000	\$13,122,500	\$12,989,600	\$13,343,450
and vessels	3,542,000	1,361,150	3,782,950	2,186,500	2,044,700	2,604,050
On contents.						
Total .....	\$18,694,000	\$13,317,850	\$20,169,950	\$15,309,000	\$15,034,300	\$15,947,500
Estimated Un-						
insured Loss:						
On buildings						
and vessels	\$1,495	\$665	\$7,555	\$820	\$755	\$600
On contents.	12,317	8,640	10,155	18,160	1,105	1,820
Total .....	\$13,812	\$9,305	\$17,710	\$18,980	\$1,860	\$2,420
Average loss						
per fire....	\$1,553.86	\$484.92	\$619.88	\$727.15	\$1,043.53	\$761.75
Number of fires	605	526	565	509	500	480

## Losses and Insurance, Borough of

	January.	February.	March.	April.	May.	June.
Estimated Loss:						
Insured and						
Uninsured—						
On buildings						
and vessels	\$10,295	\$47,810	\$15,400	\$5,580	\$4,695	\$6,335
On contents.	11,015	50,400	14,940	4,770	2,770	7,350
Total .....	\$21,310	\$98,210	\$30,340	\$10,350	\$7,465	\$13,685
Estimated In-						
surance:						
On buildings	\$831,900	\$1,143,050	\$996,950	\$961,300	\$558,567	\$857,750
and vessels	56,500	373,700	289,500	31,800	32,600	225,000
On contents.						
Total .....	\$888,400	\$1,516,750	\$1,286,450	\$993,100	\$591,167	\$1,082,750
Estimated Un-						
insured Loss:						
On buildings	\$1,570	\$35	\$165	\$695	\$260	\$420
and vessels	3,450	465	1,035	955	225	1,780
On contents.						
Total .....	\$5,020	\$500	\$1,200	\$1,650	\$485	\$2,200
Average loss						
per fire....	\$361.18	\$1,510.92	\$374.56	\$156.81	\$113.10	\$220.72
Number of fires	59	65	81	66	66	62



## Manhattan, for the Year 1909.

July.	August.	September.	October.	November.	December.	Year.
\$77,750 191,979	\$50,431 124,695	\$54,575 118,675	\$172,495 244,157	\$157,652 300,650	\$161,608 288,265	\$1,360,091 3,385,775
\$269,729	\$175,126	\$173,250	\$416,652	\$458,302	\$449,873	\$4,745,866
\$18,247,300 1,574,350	\$13,783,000 3,062,500	\$12,768,300 3,327,200	\$12,444,800 2,138,800	\$13,803,600 2,142,250	\$14,998,450 1,918,520	\$168,996,700 29,684,970
\$19,821,650	\$16,845,500	\$16,095,500	\$14,583,600	\$15,945,850	\$16,916,970	\$198,681,670
\$1,940 7,440	\$1,855 7,970	\$1,100 6,050	\$380 22,615	\$2,430 6,095	\$885 33,965	\$20,480 136,332
\$9,380	\$9,825	\$7,150	\$22,995	\$8,525	\$34,850	\$156,812
\$356.31 757	\$316.68 553	\$370.19 468	\$696.74 598	\$725.16 632	\$653.88 688	\$689.70 6,881

## The Bronx, for the Year 1909.

July.	August.	September.	October.	November.	December.	Year.
\$9,280 6,157	\$10,565 15,560	\$31,240 127,530	\$9,555 8,635	\$18,010 12,700	\$7,205 14,500	\$175,970 276,327
\$15,437	\$26,125	\$158,770	\$18,190	\$30,710	\$21,705	\$452,297
\$1,392,000 57,900	\$850,500 59,800	\$610,200 196,100	\$895,500 38,700	\$1,141,500 50,400	\$1,081,000 122,700	\$11,320,217 1,534,700
\$1,449,900	\$910,300	\$806,300	\$934,200	\$1,191,900	\$1,203,700	\$12,854,917
\$5,100 1,410	\$215 1,490	\$1,030 380	\$1,270 3,030	\$3,130 635	\$420 5,065	\$14,310 19,920
\$6,510	\$1,705	\$1,410	\$4,300	\$3,765	\$5,485	\$34,230
\$109.48 141	\$339.28 77	\$3,240.20 49	\$214.00 85	\$274.19 112	\$195.54 111	\$464.37 974

## Losses and Insurance, Borough of

	January.	February.	March.	April.	May.	June.
Estimated Loss: Insured and Uninsured—						
On buildings and vessels	\$28,475	\$495	\$2,640	\$20,470	\$6,465	\$610
On contents.	810	330	1,055	18,440	7,090	600
Total .....	\$29,285	\$825	\$3,695	\$38,910	\$13,555	\$1,210
Estimated In- surance:						
On buildings and vessels	\$110,400	\$17,600	\$26,850	\$110,500	\$99,400	\$14,000
On contents.	19,100	6,600	8,050	38,100	36,500	2,000
Total .....	\$129,500	\$24,200	\$34,900	\$148,600	\$135,900	\$16,000
Estimated Un- insured Loss:						
On buildings and vessels	.....	\$150	\$140	\$1,385	\$3,600	\$510
On contents.	\$565	25	310	25	4,600	500
Total .....	\$565	\$175	\$450	\$1,410	\$8,200	\$1,010
Average loss per fire ....	\$1,171.40	\$75.00	\$123.16	\$1,111.71	\$903.66	\$86.42
Number of fires	25	11	30	35	15	14

## Losses and Insurance, Boroughs of Manhattan,

	January.	February.	March.	April.	May.	June.
Estimated Loss: Insured and Uninsured—						
On buildings and vessels	\$238,140	\$120,973	\$143,175	\$131,137	\$105,385	\$96,040
On contents	752,545	233,135	241,096	288,246	437,403	284,499
Total .....	\$990,685	\$354,108	\$384,271	\$419,383	\$542,788	\$380,539
Estimated In- surance:						
On buildings and vessels	\$16,094,300	\$13,117,350	\$17,410,800	\$14,194,300	\$13,647,567	\$14,215,200
On contents.	3,617,600	1,741,450	4,080,500	2,256,400	2,113,800	2,831,050
Total .....	\$19,711,900	\$14,858,800	\$21,491,300	\$16,450,700	\$15,761,367	\$17,046,250
Estimated Un- insured Loss:						
On buildings and vessels	\$3,065	\$850	\$7,860	\$2,900	\$4,615	\$1,530
On contents.	16,332	9,130	11,500	19,140	5,930	4,100
Total .....	\$19,397	\$9,980	\$19,360	\$22,040	\$10,545	\$5,630
Average loss per fire ....	\$1,439.03	\$588.21	\$568.44	\$687.51	\$934.23	\$684.42
Number of fires	689	602	676	610	581	556

## Richmond, for the Year 1909.

July.	August.	September.	October.	November.	December.	Year.
\$1,442 675	\$8,585 14,660	\$350 610	\$13,575 12,905	\$28,200 20,370	\$600 575	\$111,907 78,320
\$2,117	\$23,245	\$960	\$26,480	\$48,770	\$1,175	\$190,227
\$49,900 10,000	\$27,500 13,000	..... .....	\$31,700 12,700	\$59,000 20,500	\$20,500 8,000	\$567,350 174,550
\$59,900	\$40,500	.....	\$44,400	\$79,500	\$28,500	\$741,900
\$595 325	\$5,085 10,010	\$350 610	\$10,075 10,000	\$935 100	\$225 .....	\$23,050 27,070
\$920	\$15,095	\$960	\$20,075	\$1,035	\$225	\$50,120
\$54.28 39	\$1,937.08 12	\$80.00 12	\$1,324.00 20	\$1,806.29 27	\$317.56 37	\$686.74 277

## The Bronx and Richmond, for the Year 1909.

July.	August.	September.	October.	November.	December.	Year.
\$88,472 198,811	\$69,581 154,915	\$86,165 246,815	\$195,625 265,697	\$203,862 333,920	\$169,413 303,340	\$1,647,968 3,740,422
\$287,283	\$224,496	\$332,980	\$461,322	\$537,782	\$472,753	\$5,388,390
\$19,689,200 1,642,250	\$14,661,000 3,135,300	\$13,378,500 3,523,300	\$13,372,000 2,190,200	\$15,004,100 2,213,150	\$16,099,950 2,049,220	\$180,884,267 31,394,220
\$21,331,450	\$17,796,300	\$16,901,800	\$15,562,200	\$17,217,250	\$18,149,170	\$212,278,487
\$7,635 9,175	\$7,155 19,470	\$2,480 7,040	\$11,725 35,645	\$6,495 6,830	\$1,530 39,030	\$57,840 183,322
\$16,810	\$26,625	\$9,520	\$47,370	\$13,325	\$40,560	\$241,162
\$306.59 937	\$349.68 642	\$629.45 529	\$656.21 703	\$697.51 771	\$565.49 836	\$662.61 8,132

## Boroughs of Manhattan, The Bronx and Richmond—Causes and

Causes.	Manhattan.	
	Fires.	Losses.
Alcohol, paints, etc., igniting on stoves, gaslights, etc.....	16	\$1,250
Ashes (hot) igniting woodwork, etc.....	14	605
Bonfires, brush fires, rubbish fires.....	252	.....
Bonfires, brush fires, etc., sparks or heat from igniting fences, build- ings, etc. ....	119	1,400
Chimney fires, heat from defective flues, etc.....	321	16,158
Candles, tapers, etc., carelessness in the use of.....	281	17,473
Children playing with matches or with fire.....	196	17,769
Cigars, cigarettes (lighted), carelessness with.....	465	28,453
Chemicals, combustion or explosion of.....	5	1,035
Christmas tree fires.....	4	750
Electric cars, fires from defective mechanism of.....	38	6,650
Electric lights, wires, etc. (in buildings), defective insulation of.....	74	219,950
Fireworks .....	109	13,620
Firecrackers .....	13	20
Friction of or sparks from machinery.....	21	10,865
Fumigating, negligence in, with candles, etc.....	6	500
Gas (illuminating), escaping and igniting.....	119	9,920
Gas lights in contact with curtains, etc.....	188	13,752
Gas stoves, ranges, radiators, etc., explosion of or heat from.....	131	9,870
Incendiary .....	39	4,565
Kerosene oil, carelessness with in starting stove fires.....	4	100
Lamps, kerosene, gasoline, alcohol, falling, upsetting, exploding or heat from.....	97	14,000
Lightning .....	2	600
Lime, slaking of.....	5	2,150
Malicious mischief .....	54	340
Matches, carelessness with.....	659	66,050
Matches gnawed by rats or mice and causing fire.....	16	2,110
Meats, fats, etc., igniting on stoves.....	108	12,485
Metals (hot) igniting woodwork, etc.....	29	3,811
Not ascertained.....	2,767	4,141,658
Rekindling of previous fires.....	3	50
Sparks from chimneys, stoves, stovepipes, etc.....	102	7,540
Sparks from locomotives, engines, etc.....	5	35
Sparks from other fires.....	5	185
Stoves, furnaces, stovepipes, steam pipes, heat from.....	316	49,507
Stoves, furnaces, grates, live coals falling from.....	17	1,190
Stoves, kerosene, gasoline, etc., upsetting, exploding, etc.....	43	18,090
Spontaneous combustion of oily rags, waste, etc.....	58	18,740
Thawing frozen pipes, carelessness in.....	23	775
Tar pots igniting in streets, etc.....	24	225
Vapor of benzine, gasoline, naphtha igniting.....	133	31,620
	6,881	\$4,745,866

## Extent of Loss at Fires for the

	January.	February.	March.	April.	May.	June.
Nominal or less than \$10....	204	147	238	182	171	186
Between 10 and 50..	149	131	98	104	109	129
“ 50 “ 100..	59	71	48	42	42	59
“ 100 “ 1,000..	134	138	128	141	139	83
“ 1,000 “ 5,000..	42	36	40	21	24	15
“ 5,000 “ 10,000..	6	1	8	12	7	4
“ 10,000 “ 20,000..	7	...	3	5	2	3

## Estimated Losses by Fires for the Year Ending December 31, 1909.

The Bronx.		Manhattan and the Bronx —Total.		Richmond.		Total.	
Fires.	Losses.	Fires.	Losses.	Fires.	Losses.	Fires.	Losses.
...	.....	16	\$1,250	...	.....	16	\$1,250
3	\$75	17	680	2	.....	19	680
160	.....	412	.....	60	.....	472	.....
40	555	159	1,955	15	\$1,340	174	3,295
29	875	350	17,033	22	665	372	17,698
11	730	292	18,203	1	82	293	18,285
14	1,405	210	19,174	12	420	222	19,594
3	20	468	28,473	9	240	477	28,713
...	.....	5	1,035	...	.....	5	1,035
3	305	7	1,055	1	30	8	1,085
5	100	43	6,750	1	10	44	6,760
5	230	79	220,180	9	34,330	88	254,510
8	135	117	13,755	6	65	123	13,820
7	45	20	65	3	105	23	170
1	.....	22	10,865	1	.....	23	10,865
...	.....	6	500	1	.....	7	500
19	395	138	10,315	1	.....	139	10,315
13	1,095	201	14,847	3	275	204	15,122
6	120	137	9,990	1	.....	138	9,990
5	360	44	4,925	...	.....	44	4,925
...	.....	4	100	...	.....	4	100
10	670	107	14,670	5	1,115	112	15,785
1	300	3	900	1	15	4	915
3	25	8	2,175	...	.....	8	2,175
8	255	62	595	2	10	64	605
55	3,140	714	69,190	14	1,960	728	71,150
...	.....	16	2,110	...	.....	16	2,110
14	1,330	132	13,815	5	990	177	14,805
1	15	30	3,826	...	.....	30	3,826
499	435,087	3,266	4,576,745	57	114,505	3,323	4,691,250
1	400	4	450	...	.....	4	450
8	180	110	7,720	3	55	113	7,775
3	150	8	185	2	45	10	230
...	.....	5	185	...	.....	5	185
25	2,505	341	52,012	18	32,520	359	84,532
4	195	21	1,385	1	.....	22	1,385
2	20	45	18,110	4	25	49	18,135
...	.....	58	18,740	3	70	61	18,810
1	10	24	785	3	25	27	810
4	305	28	530	2	.....	30	530
3	1,265	136	32,885	9	1,330	145	34,215
974	\$452,297	7,855	\$5,193,163	277	\$190,227	8,132	\$5,388,390

## Year 1909—Borough of Manhattan.

July.	August.	September.	October.	November.	December.	Year.	Percentage to Whole Number of Fires.
310	224	177	232	255	208	2,534	36
189	158	116	149	158	194	1,684	24
74	43	51	70	64	92	715	10
137	100	94	109	121	143	1,467	21
36	22	24	29	22	34	345	5
9	6	4	4	8	8	77	..
1	...	...	3	1	3	28	..

	January.	February.	March.	April.	May.	June.
Between \$20,000 and \$30,000..	1	...	1	1	2	...
" 30,000 " 40,000..	...	...	...	...	2	...
" 40,000 " 50,000..	...	...	...	...	...	...
" 50,000 " 60,000..	...	...	...	...	...	...
" 60,000 " 70,000..	...	2	...	...	...	...
" 70,000 " 80,000..	...	...	...	...	1	...
" 80,000 " 90,000..	...	...	1	...	...	...
" 100,000 " 125,000..	1	...	...	1	...	...
" 125,000 " 150,000..	1	...	...	...	...	...
" 200,000 " 225,000..	...	...	...	...	1	1
" 350,000 " 400,000..	1	...	...	...	...	...
Total .....	605	526	565	509	500	480

## Extent of Loss at Fires for the

Nominal or less than \$10....	13	18	32	15	26	18
Between 10 and 50..	9	24	11	23	16	18
" 50 " 100..	10	5	9	7	7	4
" 100 " 1,000..	20	15	21	18	15	17
" 1,000 " 5,000..	7	1	7	3	2	5
" 5,000 " 10,000..	...	...	1	...	...	...
" 10,000 " 20,000..	...	...	...	...	...	...
" 20,000 " 40,000..	...	2	...	...	...	...
" 40,000 " 150,000..	...	...	...	...	...	...
Total .....	59	65	81	66	66	62

## Extent of Loss at Fires for the

Nominal or less than \$10....	10	4	16	20	6	10
Between 10 and 50..	10	4	4	9	2	1
" 50 " 100..	...	1	3	...	2	1
" 100 " 1,000..	3	2	7	3	3	1
" 1,000 " 5,000..	1	...	...	2	1	1
" 5,000 " 10,000..	...	...	...	...	1	...
" 10,000 " 20,000..	...	...	...	...	...	...
" 20,000 " 30,000..	1	...	...	...	...	...
" 30,000 " 40,000..	...	...	...	1	...	...
Total .....	25	11	30	35	15	14

## Extent of Loss at Fires for the Year 1909—

Nominal or less than \$10....	227	169	286	217	203	214
Between 10 and 50..	168	159	113	136	127	148
" 50 " 100..	69	77	60	49	51	64
" 100 " 1,000..	157	155	156	162	157	101
" 1,000 " 5,000..	50	37	47	26	27	21
" 5,000 " 10,000..	6	1	9	12	8	4
" 10,000 " 20,000..	7	...	3	5	2	3
" 20,000 " 30,000..	2	...	1	...	2	...
" 30,000 " 40,000..	...	...	...	1	2	...
" 40,000 " 50,000..	...	2	...	...	...	...
" 50,000 " 60,000..	...	...	...	...	...	...
" 60,000 " 70,000..	...	2	...	...	...	...
" 70,000 " 80,000..	...	...	...	...	1	...
" 80,000 " 90,000..	...	...	1	...	...	...
" 100,000 " 125,000..	1	...	...	1	...	...
" 125,000 " 150,000..	1	...	...	...	...	...
" 150,000 " 175,000..	...	...	...	...	...	...
" 200,000 " 225,000..	...	...	...	...	1	1
" 350,000 " 400,000..	1	...	...	...	...	...
Total .....	689	602	676	610	581	556

July.	August.	September.	October.	November.	December.	Year.	Percentage to Whole Number of Fires.
...	...	1	2	1	1	10	..
...	...	...	...	...	4	6	..
...	...	...	...	1	...	1	..
...	...	...	...	...	1	1	..
1	...	1	...	...	...	4	..
...	...	...	...	1	...	2	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	2	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	2	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	1	..
757	553	468	598	632	688	6,881	..
<b>Year 1909—Borough of The Bronx.</b>							
64	25	15	26	52	29	333	34
37	18	14	25	23	31	249	25
12	10	9	8	14	22	117	12
24	16	7	20	15	26	214	22
4	3	3	6	7	2	50	..
...	3	...	...	1	1	6	..
...	2	...	...	...	...	2	..
...	...	...	...	...	...	2	..
...	...	1	...	...	...	1	..
141	77	49	85	112	111	974	..
<b>Year 1909—Borough of Richmond.</b>							
24	5	8	13	15	28	159	57
4	2	1	3	3	3	46	16
5	1	1	1	1	...	16	5
6	1	2	1	6	6	41	14
...	2	...	1	...	...	8	..
...	...	...	...	...	...	1	..
...	1	...	...	2	...	3	..
...	...	...	1	...	...	2	..
...	...	...	...	...	...	1	..
39	12	12	20	27	37	277	..
<b>Boroughs of Manhattan, The Bronx and Richmond.</b>							
398	254	200	271	322	265	3,026	37
230	178	131	177	184	228	1,979	24
91	54	61	79	79	114	848	10
167	117	103	130	142	175	1,722	21
40	27	27	36	29	36	403	5
9	9	4	4	9	9	84	..
1	3	...	3	3	3	33	..
...	...	1	3	1	1	12	..
...	...	...	...	...	4	7	..
...	...	...	...	1	...	3	..
...	...	...	...	...	1	1	..
1	...	1	...	...	...	4	..
...	...	...	...	1	...	2	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	2	..
...	...	...	...	...	...	1	..
...	...	1	...	...	...	1	..
...	...	...	...	...	...	2	..
...	...	...	...	...	...	1	..
937	642	529	703	771	836	8,132	..



# Record of Complaints and Disposition, Boroughs of Manhattan, The Bronx and Richmond.

From What Source.	No.	Class of Structure, or Business.	No.	Cause of Complaints.	No.
Engine companies.....	200	Tenements .....	341	Generally dangerous	
Hook and Ladder companies .....	93	Dwellings .....	74	conditions .....	299
Anonymous .....	91	Business .....	43	Defective flues .....	253
Fire Marshal's Bureau..	65	Factories .....	15	.....	..
Tenants .....	49	Restaurants .....	15	.....	..
Neighbors .....	39	Furnished-room houses.	8	.....	..
Bureau of Violations...	8	Bakeries .....	7	.....	..
Health Department ....	4	Club houses .....	5	.....	..
Tenement House Department .....	2	Hotels .....	5	.....	..
Bureau of Combustibles	1	Laundries .....	5	.....	..
.....	..	Moving picture shows..	5	.....	..
.....	..	Boarding houses.....	4	.....	..
.....	..	Forges .....	4	.....	..
.....	..	Apartment houses ....	3	.....	..
.....	..	Garages .....	3	.....	..
.....	..	Institutions .....	3	.....	..
.....	..	Stables .....	3	.....	..
.....	..	Warehouses .....	2	.....	..
.....	..	Church .....	1	.....	..
.....	..	Foundry .....	1	.....	..
.....	..	Hall .....	1	.....	..
.....	..	School .....	1	.....	..
.....	..	Saw-mill .....	1	.....	..
.....	..	Shed .....	1	.....	..
.....	..	Synagogue .....	1	.....	..
	552		552		552

## Disposition.

Orders complied with .....	351
No cause for complaint .....	100
Referred to other Departments .....	9
Referred to Corporation Counsel .....	3
Pending .....	89
	552

## Boroughs of Brooklyn and Queens.

The report for the year 1909 shows that there were forty-three hundred and five (4305) fires, and three hundred and one (301) false alarms and indications, making a total of forty-six hundred and six (4606) alarms.

A comparison will show a decrease of ninety-two (92) fires, and a decrease of one (1) false alarms and indications, for the year 1909.

The total loss on buildings and vessels and their contents for the year 1908 exceeds the loss for the year 1909 by \$1,019,940.

Total loss for year 1908 .....	\$3,063,185
" " " " 1909 .....	2,043,245
Decrease in loss, 1909 .....	\$1,019,940

There were 44 arrests for arson during 1909, one case pending from 1907 and ten cases from 1908, making a total of 55, which were disposed of as follows:

## Convictions.

Found guilty and sentenced .....	14	
Sentence suspended .....	1	
Adjudged insane and committed to asylum .....	3	18
	<hr/>	

## Acquittals, Etc.

Discharged by Magistrate .....	7	
Grand Jury failed to indict .....	4	
Indictment dismissed .....	1	
Cases pending .....	25	37
	<hr/>	<hr/>
		55

The large number of indictments awaiting trial is due to the crowded condition of the calendar of the County Court, there being only two Judges to try all the civil and criminal cases in the County of Kings.

The Fire Marshal, boroughs of Brooklyn and Queens, submits the following recommendation:

1. That 4 additional assistant fire marshals be appointed.
2. That more floor space be allotted to his bureau.
3. That a card index system be installed therein for the keeping of records.
4. That owing to the large number of fires occurring between midnight and 6 A. M., the wagons of the large milk companies, especially those serving the outlying districts of the boroughs of Brooklyn and Queens, be supplied with fire box keys for the use of their drivers.

## Losses and Insurance

	January.	February.	March.	April.	May.	June.
Estimated Loss:						
Insured and						
Uninsured—						
On buildings						
and vessels						
On contents.	\$70,355	\$88,035	\$58,145	\$45,255	\$87,210	\$110,980
	58,450	241,610	64,665	59,010	82,910	118,715
Total . . . .	\$128,805	\$329,645	\$122,810	\$104,265	\$170,120	\$229,695
Estimated Insurance:						
On buildings						
and vessels	\$2,517,400	\$2,267,940	\$2,381,600	\$1,932,875	\$2,505,550	\$2,810,500
On contents.	387,800	970,200	789,650	300,750	918,800	582,600
Total . . . .	\$2,905,200	\$3,238,140	\$3,171,250	\$2,233,625	\$3,424,350	\$3,393,100
Estimated Uninsured Loss:						
On buildings						
and vessels	\$900	\$13,265	\$640	\$1,515	\$41,005	\$170
On contents.	3,850	35,335	7,105	10,550	17,280	2,330
Total . . . .	\$4,750	\$48,600	\$7,745	\$12,065	\$58,285	\$2,500
Average, loss						
per fire . . .	303	308	309	282	271	278
Number of fires						

## Losses and Insurance

	January.	February.	March.	April.	May.	June.
Estimated Loss:						
Insured and						
Uninsured—						
On buildings						
and vessels	\$26,385	\$18,055	\$8,960	\$13,900	\$13,830	\$12,245
On contents.	30,065	13,000	6,165	6,075	11,605	6,460
Total . . . .	\$56,450	\$31,055	\$15,125	\$19,975	\$25,435	\$18,705
Estimated Insurance:						
On buildings						
and vessels	\$155,900	\$142,450	\$119,400	\$137,800	\$94,100	\$197,750
On contents.	223,300	30,075	25,300	27,700	17,600	23,350
Total . . . .	\$379,200	\$172,525	\$144,700	\$165,500	\$111,700	\$221,100
Estimated Uninsured Loss:						
On buildings						
and vessels	\$325	\$35	\$725	\$1,040	\$6,725	\$925
On contents.	1,340	1,880	515	535	7,470	225
Total . . . .	\$1,665	\$1,915	\$1,240	\$1,575	\$14,195	\$1,150
Average loss						
per fire . . .	45	42	52	54	36	41
Number of fires						

## Borough of Brooklyn.

July.	August.	September.	October.	November.	December.	Year.
\$55,380 107,295	\$24,105 23,285	\$22,210 17,755	\$21,105 21,595	\$50,105 48,010	\$112,205 57,990	\$745,090 901,290
\$162,675	\$47,390	\$39,965	\$42,700	\$98,115	\$170,195	\$1,646,380
\$3,247,900 778,675	\$1,717,500 285,850	\$3,214,850 504,300	\$2,302,690 810,585	\$3,898,900 425,200	\$4,048,025 632,890	\$32,845,730 7,387,300
\$4,026,575	\$2,003,350	\$3,719,150	\$3,113,275	\$4,324,100	\$4,680,915	\$40,233,030
\$1,535 8,440	\$5,540 4,315	\$1,035 1,600	\$3,850 4,830	\$2,975 7,600	\$4,765 8,195	\$77,195 111,430
\$9,975	\$9,855	\$2,635	\$8,680	\$10,575	\$12,960	\$188,625
438	272	234	302	305	420	\$442.33 3,722

## Borough of Queens.

July.	August.	September.	October.	November.	December.	Year.
\$7,655 4,615	\$27,300 14,170	\$53,165 21,650	\$16,190 6,295	\$12,155 7,395	\$42,170 17,360	\$252,010 144,855
\$12,270	\$41,470	\$74,815	\$22,485	\$19,550	\$59,530	\$396,865
\$186,900 18,900	\$296,400 90,800	\$243,900 35,250	\$169,500 20,200	\$116,650 41,550	\$397,425 189,200	\$2,258,175 743,225
\$205,800	\$387,200	\$279,150	\$189,700	\$158,200	\$586,625	\$3,001,400
\$3,015 1,260	\$185 530	\$15 2,065	\$355 1,610	\$250 500	\$1,390 8,880	\$14,985 26,810
\$4,275	\$715	\$2,080	\$1,965	\$750	\$10,270	\$41,795
67	36	35	38	49	88	\$680.72 583

## Losses and Insurance, Boroughs

	January.	February.	March.	April.	May.	June.
Estimated Loss: Insured and Uninsured—						
On buildings and vessels	\$96,740	\$106,090	\$67,105	\$59,155	\$101,040	\$123,225
On contents.	88,515	254,610	70,830	65,085	94,515	125,175
Total .....	\$185,255	\$360,700	\$137,935	\$124,240	\$195,555	\$248,400
Estimated In- surance:						
On buildings and vessels	\$2,673,300	\$2,410,390	\$2,501,000	\$2,070,675	\$2,599,650	\$3,008,250
On contents.	611,100	1,000,275	814,950	328,450	936,400	605,950
Total .....	\$3,284,400	\$3,410,665	\$3,315,950	\$2,399,125	\$3,536,050	\$3,614,200
Estimated Un- insured Loss:						
On buildings and vessels	\$1,225	\$13,300	\$1,365	\$2,555	\$47,730	\$1,095
On contents.	5,190	37,215	7,620	11,085	24,750	2,555
Total .....	\$6,415	\$50,515	\$8,985	\$13,640	\$72,480	\$3,650
Average loss per fire ....						
Number of fires	348	350	361	336	307	319

Boroughs of Brooklyn and Queens, Causes and Estimated Losses by Fires  
for the Year 1909.

Causes.	—Brooklyn—		—Queens—		—Total—	
	Fires.	Loss.	Fires.	Loss.	Fires.	Loss.
Alcohol, tar, pitch, gum, oils, paints, var- nish on stoves, etc. ....	17	\$3,920	3	\$35	20	\$3,955
Ashes, hot, igniting woodwork, etc. ....	20	5,810	2	175	22	5,985
Bonfires, sparks from .....	174	13,900	45	1,110	219	15,010
Chimneys, fireplaces, flues, defective grates, etc. ....	290	32,855	74	27,745	364	60,605
Calcium lights .....	1	.....	.....	.....	1	.....
Candles and tapers .....	120	17,130	13	820	133	17,950
Children playing with fire, matches, etc.	227	32,480	25	9,725	252	42,205
Cigars, cigarettes, pipes, smoking of....	219	31,465	27	19,835	246	51,300
Chemicals, etc., igniting and explosion of	5	50	..	.....	5	50
Electric lights, wires, etc., sparks from or defective .....	55	22,915	7	225	62	23,140
Electricity applied to machinery .....	165	32,880	3	.....	168	32,880
Explosion of turpentine on stove.....	2	10	..	.....	2	10
Fireworks .....	49	4,895	8	2,705	57	7,600
Friction of machinery .....	11	7,195	1	.....	12	7,195
Fumigating with sulphur, etc. ....	4	1,675	2	30	6	1,705
Films, celluloid, igniting of .....	3	600	1	.....	4	600
Gas stoves, etc. ....	70	23,955	3	4,170	73	28,125
Gas explosion of and escaping .....	9	5,750	1	.....	10	5,750
Gas light igniting merchandise, etc. ....	98	9,100	8	4,220	106	13,320
Gas pipes defective .....	32	92,020	4	135	36	92,155
Incendiarism .....	97	78,095	19	78,995	116	157,090
Kerosene oil used to start fires in stoves	2	.....	2	75	4	75
Kerosene oil spilled over woodwork....	4	250	2	.....	6	250

## of Brooklyn and Queens.

July.	August.	September.	October.	November.	December.	Year.
\$63,035 111,910	\$51,405 37,455	\$75,375 39,405	\$37,295 27,890	\$62,260 55,405	\$154,375 75,350	\$997,100 1,046,145
\$174,945	\$88,860	\$114,780	\$65,185	\$117,665	\$229,725	\$2,043,245
\$3,434,800 797,575	\$2,013,900 376,650	\$3,458,750 539,550	\$2,472,190 830,785	\$4,015,550 466,750	\$4,445,450 822,090	\$35,103,905 8,130,525
\$4,232,375	\$2,390,550	\$3,998,300	\$3,302,975	\$4,482,300	\$5,267,540	\$43,234,430
\$4,550 9,700	\$5,725 4,845	\$1,050 3,665	\$4,205 6,440	\$3,225 8,100	\$6,155 17,075	\$92,180 138,240
\$14,250	\$10,570	\$4,715	\$10,645	\$11,325	\$23,230	\$230,420
505	308	269	340	354	508	\$474.62 4,305

Causes.	—Brooklyn—		—Queens—		—Total—	
	Fires.	Loss.	Fires.	Loss.	Fires.	Loss.
Kerosene oil lamps, explosion of.....	24	4,935	4	740	28	\$5,675
Kerosene oil lamps falling.....	81	8,200	11	5,775	92	13,975
Lamps, alcoholic, falling and breaking..	4	20	..	..	4	20
Lightning .....	4	770	10	825	14	1,595
Lime slacking .....	10	335	..	..	10	335
Matches igniting awnings, clothing, etc.	715	86,135	56	15,345	771	101,480
Matches gnawed by rats and mice.....	39	7,400	5	6,200	44	13,600
Meats, fats and glues .....	40	3,645	6	275	46	3,920
Metals, hot, igniting woodwork, etc.....	9	1,270	1	100	10	1,370
Not fully ascertained .....	370	820,150	66	150,795	436	970,940
Not fully ascertained, suspicious .....	143	179,200	30	33,500	173	212,700
Naphtha, benzene or vapor igniting.....	68	13,190	20	5,845	88	19,035
Powder explosions .....	1	25	2	..	3	25
Rekindling of previous fires.....	6	40	6	..	12	40
Sparks from other fires .....	4	1,875	1	15	5	1,890
Sparks from locomotives .....	11	510	15	2,705	26	3,215
Steam pipes igniting beams, etc.....	18	7,505	..	..	18	7,505
Stoves, boilers, etc., igniting bedding, clothing, etc. ....	202	54,000	45	20,205	247	74,205
Stoves, boilers, etc., hot coals falling from	25	8,815	3	50	28	8,865
Stoves, kerosene, exploding .....	72	13,595	9	880	81	14,475
Spontaneous combustion of oily rags, cotton, etc. ....	65	16,645	8	3,060	73	19,705
Thawing water pipes .....	9	225	3	185	12	410
Tramps lighting fires in vacant house, etc. ....	6	295	1	200	7	495
Tarpot in streets .....	24	25	1	10	25	35
Workmen, etc., burning rubbish.....	98	625	30	155	128	780
Totals .....	3,722	\$1,646,380	583	\$396,865	4,305	\$2,043,245

## Extent of Loss at Fires for

			January.	February.	March.	April.	May.	June.
Nominal	or less than \$10...	92	101	116	125	140	133	
Between	10 and 50..	51	71	72	51	53	59	
"	50 " 100..	31	41	36	25	17	33	
"	100 " 1,000..	98	66	61	60	47	37	
"	1,000 " 5,000..	25	20	21	16	10	9	
"	5,000 " 10,000..	5	5	...	4	1	3	
"	10,000 " 20,000..	1	...	2	1	1	1	
"	20,000 " 30,000..	...	1	1	...	1	1	
"	30,000 " 40,000..	...	1	...	...	...	...	
"	40,000 " 50,000..	...	1	...	...	...	...	
"	50,000 " 60,000..	...	...	...	...	1	...	
"	60,000 " 70,000..	...	...	...	...	...	1	
"	70,000 " 80,000..	...	...	...	...	...	1	
"	125,000 " 150,000..	...	1	...	...	...	...	
Total	.....	303	308	309	282	271	278	

## Extent of Loss at Fires for

Nominal	or less than \$10...	17	18	19	31	14	18	
Between	10 and 50..	7	2	10	9	10	4	
"	50 " 100..	5	3	2	4	1	2	
"	100 " 1,000..	10	11	19	6	6	10	
"	1,000 " 5,000..	4	7	1	3	4	7	
"	5,000 " 10,000..	1	1	1	1	...	...	
"	10,000 " 20,000..	...	...	...	...	1	...	
"	30,000 " 40,000..	1	...	...	...	...	...	
"	70,000 " 80,000..	...	...	...	...	...	...	
Total	.....	45	42	52	54	36	41	

## Origin of Complaints.

Office Deputy Chief of Department in charge.....	1
Deputy Fire Commissioner .....	1
Engine and H. & L. Cos. ....	81
Bureau of Violations .....	4
Fire Marshal's Bureau .....	9
Tenants .....	9
Neighbors .....	6
Anonymous .....	16
Miscellaneous .....	154
Department of Labor .....	1
Department of Buildings .....	2
	284

## Cause of Complaints, 1909.

Blacksmith shop menace .....	4
Building, construction defective .....	1
Bonfires in yards, lots, etc. ....	14
Chimney flues, stoves, ranges, ovens, etc. ....	100
Chimneys not of sufficient height .....	2
Cooking in cellar, a menace .....	1
Combustibles in cellars, etc. ....	11



## the Year 1909—Borough of Brooklyn.

July.	August.	September.	October.	November.	December.	Year.	Percentage to Whole Number of Fires.
243	130	115	154	146	169	1,664	45
93	68	51	64	57	89	779	20
28	16	20	30	29	33	339	9
57	49	41	47	57	101	721	19
13	8	6	6	14	19	167	4
1	1	1	1	1	4	27	..
1	...	...	...	1	5	13	..
1	...	...	...	...	...	5	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	1	..
1	...	...	...	...	...	2	..
...	...	...	...	...	...	1	..
...	...	...	...	...	...	1	..
438	272	234	302	305	420	3,722	..

## the Year 1909—Borough of Queens.

34	13	15	10	21	32	242	42
15	4	7	13	9	18	108	18
6	7	4	2	2	6	44	7½
8	7	8	7	11	18	121	20
4	4	...	5	6	12	57	8
...	...	...	1	...	1	6	..
...	...	...	...	...	1	2	..
...	1	...	...	...	...	2	..
...	...	1	...	...	...	1	..
67	36	35	38	49	88	583	..

Children playing with matches .....	2
Dangerous condition of premises .....	23
Dumbwaiters, faulty construction .....	6
Engine in dangerous condition, etc. ....	6
Excessive heat in drying room .....	1
Excelsior, boxes, barrels, in cellars, lots, etc. ....	10
Excessive storage crockery and tinware .....	1
Fire in open pot in coal and wood basement .....	1
Fire escapes, obstructed and absence of .....	5
Fireproofing on heater pipes defective .....	2
Gas stoves, ranges, etc., a menace .....	6
Gas lights, etc., a menace .....	1
Hole cut through party wall in cellar .....	2
Hallways, doors, exits, etc., obstructed .....	22
Hallways, absence of light .....	2
Hay stacks a menace .....	1
Hallways cleaned with oil .....	1
Lathing exposed to heat of furnace .....	5
Lumber piled near building, etc. ....	1
Oil tank leaky and defective .....	1
Paints, oil and varnish stored in cellars and on premises .....	5
Pigeon coops on roof, etc., a menace .....	1
Rubbish in cellars, on dumbwaiters, on premises .....	21

Storage of paper, rags, etc., a menace .....	3
Soot in chimney .....	2
Sparks, a menace .....	6
Selling cigarettes to boys .....	1
Smoke nuisance .....	7
Shrubbery, a menace .....	1
Steam boiler near a benzine tank .....	1
Ten-foot fence a menace .....	1
Wood piled close to adjoining premises .....	1

Total ..... 284

#### Complaints—How Disposed of.

Complied with .....	210
No cause for complaint .....	56
Referred to other departments .....	11
Referred to Bureau of Combustibles .....	7

Total ..... 284

### REPAIR SHOPS.

#### Boroughs of Manhattan, The Bronx and Richmond.

##### Apparatus Received.

One first-size engine.....	American-La France Fire Eng. Co..	Manhattan
Two third-size engines.....	American-La France Fire Eng. Co..	Bronx
Four third-size engines.....	Nott Fire Engine Company.....	Brooklyn
Two 65-ft. aerial H. & L. trucks...	American-La France Fire Eng. Co..	Manhattan
Two 65-ft. aerial H. & L. trucks...	American-La France Fire Eng. Co..	Bronx
Eight first-size hose wagons.....	Combination Ladder Co.....	Manhattan
Ten first-size hose wagons.....	Combination Ladder Co.....	Brooklyn
Three high-pressure service wagons	Combination Ladder Co.....	Manhattan
One automobile roadster.....	Oldsmobile Company.....	Bronx
Ten Chiefs' wagons.....	Fiss, Doerr & Carroll.....	Manhattan
Ten Chiefs' wagons.....	Fiss, Doerr & Carroll.....	Brooklyn
One 75-ft. aerial H. & L. truck....	Combination Ladder Co.....	Manhattan

##### Hose Received.

2,550 ft. 3½-inch Diamond fire hose for boats .....	Brooklyn
5,050 ft. 3½-inch Diamond fire hose for boats .....	Manhattan
3,500 ft. 3-inch White Shield hose .....	Manhattan
150 ft. 3-inch White Shield hose .....	Brooklyn
21,050 ft. 2½-inch White Shield hose .....	Manhattan
15,000 ft. 2½-inch Eureka hose .....	Manhattan
15,000 ft. 2½-inch Eureka hose .....	Brooklyn
210 ft. 4-inch Eureka hose .....	Manhattan
1,850 ft. 2½-inch Pennsylvania hose (Vol. Cos. Newtown).....	Queens

##### Apparatus Repaired at Shops.

Engines .....	130
Hose wagons .....	57
H. and L. trucks.....	46
Fuel wagons .....	32
Chiefs' wagons .....	102
Miscellaneous .....	37
Autos .....	21
Water towers .....	6
Boat tenders .....	3

##### Apparatus Repaired Outside of Shops.

Engines .....	39
H. and L. trucks .....	33
Hose wagons .....	5
Chiefs' wagons .....	1
Autos .....	2
Fuel wagons .....	1
Miscellaneous .....	1
Water towers .....	1

#### Boroughs of Brooklyn and Queens.

Repairs Made at Repair Shop:			
Extensive.	Ordinary.	Shop wagons .....	25
Engines .....	112	Chiefs' wagons .....	186
Hose wagons .....	137	Telegraph wagons .....	25
Hook and ladder trucks..	101	Ladders .....	68
	339	Harness hangers .....	272
		Shut-off nozzles .....	60

Hose for fire extinguishers ..	200	16 Copings reset	
Horse releasers .....	51	18 Walls and chimneys pointed up	
Heating apparatus .....	10	4 Chimney flues cut out and rebuilt	
Platforms for 1½-in. hose ..	4	603 Lights of glass put in buildings	
Automobiles .....	10		
Scaling ladders .....	9	Work Done for Telegraph Bureau:	
Engine poles .....	35	241 Box backs	
Hook and ladder poles ..	19	257 Box strips	
Hose wagon poles .....	26	118 Cable clamps	
Shafts for Chiefs' wagons	33	80 Cross arms	
Hooks, assorted sizes ...	67	25 Battery cleats	
Fire extinguishers .....	58	15 Cable boxes	
		46 Railroad arms	
Repairs by Wrecking Force:		3 Battery shelves	
Engines .....	14	4 Instrument boards	
Hose wagons .....	5	2 Terminal boards	
Hook and ladder trucks ..	9	1 Tool chest	
Chiefs' wagons .....	2		
Automobile .....	1	Work Done at Harness Shop:	
		1,800 Pieces made	
Work Done at Company Quarters:		2,200 Pieces repaired	
56 Extensive repairs to buildings			
72 Ordinary repairs to buildings		Work Done by Paint Shop:	
48 Extensive repairs to plumbing		2 Engines painted	
56 Ordinary repairs to plumbing		4 Hose wagons painted	
22 Extensive repairs to tinning		1 Hook and ladder truck painted	
51 Roofs repaired		28 Chiefs' wagons painted	
57 Roofs painted		1 Automobile painted	
23 New maple stall platforms		1 Shop wagon painted	
26 New maple stall gratings		51 Engines touched up, etc.	
6 New closets		38 Hose wagons touched up, etc.	
8 Window sashes		29 Hook and ladder trucks touched up, etc.	
9 Step-ladders		50 Chiefs' wagons touched up, etc.	
3 Feed boxes		1 Automobile touched up, etc.	
7 Weight boxes		236 Engine wheels touched up and painted	
10 Door saddles		216 Hose wagon wheels touched up and painted	
9 Doors		121 Hook and ladder truck wheels touched up and painted	
8 Heater boxes		195 Chiefs' wagon wheels touched up and painted	
1 Newel post		74 Poles painted	
5 Requisition boxes		58 Shafts painted	
5 Order boxes		68 Whiffletrees painted	
8 Stove platforms		43 Even bars painted	
1 Hay platform		52 Ladders painted	
25 Patent harness springs put up		60 Axles painted	
24 Galvanized iron leaders made and put up		94 Springs painted	
13 Galvanized iron gutters made and put up		39 Aprons painted	
20 Joints galvanized iron leader pipe made and put up		37 Clips painted	
975 Joints galvanized and black iron stove pipe		51 Brake blocks painted	
13 Galvanized iron ash buckets		104 Fire hooks painted	
14 Galvanized iron crowns		50 Shelves painted	
5 Galvanized iron smoke stacks		27 Battery boxes painted	
16 Galvanized iron shields		55 Large crossarms painted	
88 New oil cans		113 Railroad fixtures painted	
110 Oil cans repaired		168 Box backs painted	
15 Galvanized iron pails		2 Closets painted	
155 Pump springs repaired		7 Chocks painted	
105 Lamps repaired		4 Signs painted	
18 Chimneys rebuilt		526 Miscellaneous pieces painted	
4 Walls (building) rebuilt			

## BUILDINGS, ERECTION OF, ETC.

### Boroughs of Manhattan, The Bronx and Richmond.

Work involving new buildings or extensive alterations to buildings, payable from Bond Issue issues or yearly appropriations was in progress on January 1st, 1909, as follows:

Annex to Headquarters building, Manhattan. Cost, \$134,569; new heating system therefor, \$14,900.†

New building for Engine Co. 85, on pier, at foot of West 35th street, Manhattan. Cost, \$14,063.

New building for Engine Company 87 on dock at 132nd street and Harlem River, Manhattan. Cost, \$14,313.

New building for Engine Co. 63, The Bronx. Cost, \$36,900.†

New building for Engine Co. 64, The Bronx. Cost, \$26,000.

New building for Engine Co. 206, Richmond. Cost, \$24,000.

Additions and alterations, quarters Engine Cos. 35 and 58, Manhattan. Cost, \$1,970.

Additions and alterations to quarters of Engine Co. 26, Manhattan. Cost, \$15,345.

Additions and alterations to quarters of Engine Co. 28, Manhattan. Cost, \$21,345.

Additions and alterations to Storehouse, 20 Eldridge street, Manhattan. Cost, \$1,772.†

Additions and alterations to quarters of Hook & Ladder Co. 20, Manhattan. Cost, \$4,954.

Additions and alterations to Fuel Depot No. 5, Manhattan. Cost, \$12,200.

Additions and alterations to quarters of Engine Co. 62, The Bronx. Cost, \$987.

Repairs to heating systems, Manhattan. Cost, \$3,055.

Repairs to heating systems, The Bronx. Cost, \$998.

The following contracts were awarded:

New building for a hook and ladder company at 6 Hancock Place, Manhattan. Cost, \$33,435.†

New building for an engine and hook and ladder company at White Plains Road near Morris Park avenue, The Bronx. Cost, \$59,600.†

New building for Engine Co. 51, St. George, borough of Richmond. Cost, \$8,950.

Completion of annex and alterations to Headquarters building, Manhattan. Cost, \$87,681.†

Additions and alterations to Repair Shops, Manhattan. Cost, \$2,560.

Repairs to quarters of Engine Cos. 11 and 29, Manhattan. Cost, \$2,273.

Additions and alterations to quarters of Engine Co. 12, Manhattan. Cost, \$24,752.†

Additions and alterations to quarters of Engine Co. 56, Manhattan. Cost, \$11,400.†

Additions and alterations to storehouse on dock at berth of Engine Co. 57, Manhattan. Cost, \$1,767.

Additions and alterations to quarters of Hook & Ladder Co. 4, Manhattan. Cost, \$13,600.†

Additions and alterations to quarters of Hook & Ladder Co. 14, Manhattan. Cost, \$10,500.

Alterations and repairs to quarters of Hook & Ladder Co. 18, Manhattan. Cost, \$5,318.

Additions and alterations to storehouse, 20 Eldridge street, Manhattan. Cost, \$1,590.†

Alterations to stalls in various company quarters, Manhattan. Cost, \$1,600.

Repairs to quarters of Engine Co. 42, The Bronx. Cost, \$1,359.

Repairs to quarters of Engine Co. 48, The Bronx. Cost, \$1,578.

Repairs to quarters of Engine Cos. 52 and 75, The Bronx. Cost, \$2,878.†

Repairs to quarters of Engine Co. 73, The Bronx. Cost, \$990.

Additions and alterations to quarters of Engine Co. 201 and Hook & Ladder Co. 101, Richmond. Cost, \$4,492.†

Repairs to heating systems, borough of Manhattan. Cost, \$3,055.

Repairs to heating systems, borough of The Bronx. Cost, \$998.

Steamfitting work at Repair Shops, Manhattan. Cost, \$8,700.†

Steamfitting work at various company quarters in the boroughs of Manhattan and The Bronx. Cost, \$7,350.

Repairs and small alterations were made by contract and department mechanics to 150 buildings at a total cost of \$65,589.08.

Note.—All contracts marked thus (†) have not as yet been completed.

### Boroughs of Brooklyn and Queens.

Work involving new buildings or extensive alterations to buildings, payable from Bond Issues or yearly appropriations was in progress on January 1st, 1909, as follows:

New building at Rockaway avenue and Avenue F, Brooklyn, for Engine Co. 157. Cost, \$49,668.

New building on Greenpoint avenue west of Gale street, borough of Queens, for Engine Co. 159 and Hook & Ladder Co. 78. Cost, \$53,841.

New building for Engine Co. 163 and Hook & Ladder Co. 67, L. I. City, Cost, \$55,850.†

Additions and alterations to quarters of Engine Co. 117, Brooklyn. Cost, \$27,920.

Additions and alterations to quarters of Engine Co. 112, Brooklyn. Cost, \$26,345.

Additions and alterations to quarters of Hook & Ladder Co. 56, Brooklyn. Cost, \$22,250.

Additions and alterations to quarters of Engine Co. 155, Brooklyn. Cost, \$3,482.

Additions and alterations to quarters of Rescue Hook & Ladder Co. 1, Flushing. Cost, \$3,515.

Additions and alterations to quarters of Hose Co. 4, Flushing. Cost, \$2,069.

Additions and alterations to quarters of Mutual Engine Co. 1, Flushing. Cost, \$2,327.

Additions and alterations to quarters of Empire Hose Co. 1, Flushing. Cost, \$4,670.

Additions and alterations to quarters of Eagle Hook & Ladder Co. 1 and Union Hose Co. 1, College Point. Cost, \$3,300.

Additions and alterations to quarters of Hose Co. 4, Jamaica. Cost, \$1,979.

Additions and alterations to quarters of Hose Co. 5, Jamaica. Cost, \$1,670.

Additions and alterations to quarters of Hose Co. 6, Jamaica. Cost, \$1,913.

Additions and alterations to quarters of Hose Co. 7, Jamaica. Cost, \$3,165.

Additions and alterations to quarters of Hook & Ladder Co. 75, Richmond Hill. Cost, \$1,953.

Additions and alterations to quarters of Hook & Ladder Co. 77, Jamaica. Cost, \$1,726.

Repairs to heating systems, borough of Brooklyn. Cost, \$2,598.

Repairs to heating systems, borough of Queens. Cost, \$140.

The following contracts were awarded:

New building for an engine and hook and ladder company at Kings Highway and East Fourteenth street, Brooklyn. Cost, \$43,546.

Repairs and replacements at Brooklyn Headquarters. Cost, \$2,887.

Additions and alterations to quarters of Engine Co. 111, Brooklyn. Cost, \$28,400.

Additions and alterations to quarters of Engine Co. 115, Brooklyn. Cost, \$29,724.

Additions and alterations to quarters of Engine Co. 140, Brooklyn. Cost, \$2,553.

Completion of contracts for additions and alterations to quarters of Hook & Ladder Co. 56, Brooklyn. Cost, \$1,937.

Steam heating at various company quarters in the borough of Brooklyn. Cost, \$2,975.

Minor repairs and alterations were made during the year to the apparatus houses in the boroughs of Brooklyn and Queens which required them.

**Note.**—None of the contracts awarded in 1909 as above has as yet been completed, nor has the contract for new building for Engine Co. 163 and Hook & Ladder Co. 67, awarded in 1908.

### HORSES.

#### Boroughs of Manhattan, The Bronx and Richmond.

Number on hand December 31st, 1908 .....	828
Purchased during year .....	118
	<hr/>
	946

Sold .....	72	
Died .....	32	
Transferred to Department of Public Charities .....	1	
Transferred to American Society for the Prevention of Cruelty to Animals .....	1	106
	<hr/>	<hr/>

On hand December 31st, 1909 .....	840
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Of the 32 horses lost to the department by death, 20 were either killed outright, or so badly injured as to necessitate their destruction.

#### Boroughs of Brooklyn and Queens.

Number on hand December 31st, 1908 .....	629
Purchased during year .....	80
	<hr/>
	709

Sold .....	39	
Died .....	15	
Transferred to Department of Correction .....	17	
Transferred to Department of Public Charities .....	2	73
	<hr/>	<hr/>

On hand December 31st, 1909 .....	636
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Of the 15 horses lost to the department by death, 4 were so badly injured as to necessitate their destruction.

#### Volunteer Sytem—Borough of Queens.

Number on hand December 31st, 1909 .....	68
Purchased during year .....	10
	<hr/>
	78

Sold .....	2	
Died .....	3	5
	<hr/>	<hr/>

On hand December 31st, 1909 .....	73
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**Summary of Contracts and Proposals Awarded and Executed During the  
Year 1909.**

**BOROUGHES OF MANHATTAN, THE BRONX AND RICHMOND.**

Title.	Manhattan.	The Bronx.	Richmond.	Total.
Additions and alterations to buildings	\$212,752.00	\$67,680.00	\$13,442.00	\$293,874.00
Architects' services	11,375.00	1,750.00	.....	13,125.00
Repairs to fireboats	2,007.00	.....	202.00	2,209.00
Supplies for fireboats	7,248.89	.....	.....	7,248.89
Supplies for Fire Alarm Telegraph..	42,663.71	3,188.65	4,104.06	49,956.42
Supplies for Building Bureau.....	5,762.35	795.97	647.29	7,205.61
Supplies for Repair Shops.....	19,238.45	8,506.80	5,913.36	33,658.61
General Supplies	19,978.32	4,378.49	1,989.40	26,346.21
Forage	65,281.75	18,459.25	6,835.35	90,576.35
Fuel	76,665.00	12,530.00	6,252.00	95,447.00
Horses	25,920.00	5,184.00	1,620.00	32,724.00
Apparatus and Equipment:				
Eight first-size hose wagons....	7,111.60	.....	.....	.....
One first-size fire engine.....	6,596.00	.....	.....	.....
Two second-size fire engines....	10,544.00	.....	.....	.....
Four 65-ft. H. & L. trucks.....	23,097.40	.....	.....	47,349.00
Two third-size fire engines.....	.....	12,200.00	.....	.....
Two 65-ft. H. & L. trucks.....	.....	11,548.74	.....	23,748.74
Telephone rentals	8,364.00	2,017.50	1,400.62	11,782.12
Hose	.....	.....	.....	17,400.00
Totals	\$544,605.47	\$148,239.40	\$42,406.08	\$752,650.95

**Summary of Contracts and Proposals Awarded and Executed During the  
Year 1909.**

**BOROUGHES OF BROOKLYN AND QUEENS.**

Title.	Brooklyn.	Queens.	Volunteer System.	Total.
Additions and alterations to buildings	\$116,063.00	\$12,486.00	.....	\$128,549.00
Architects' services	4,900.00	.....	.....	4,900.00
Supplies for fireboats	1,861.36	.....	.....	1,861.36
Supplies for Fire Alarm Telegraph..	15,959.04	3,400.45	\$625.96	19,985.45
Agreement with Brooklyn Union Ele- vated R. R. Co. for use of its struc- ture for fire alarm wires.....	7,900.00	.....	.....	7,900.00
Supplies for Repair Shops	22,806.78	6,134.33	.....	28,941.11
General Supplies	20,859.81	5,083.64	.....	25,943.45
Forage	69,856.55	11,168.64	8,059.27	89,084.46
Fuel	19,192.00	6,825.00	.....	26,017.00
Horses	15,000.00	9,000.00	3,000.00	27,000.00
Apparatus and Equipment:				
Ten top buggies for Chiefs of Battalion	2,975.00	.....	.....	.....
Two 65-ft. H. & L. trucks.....	11,632.00	.....	.....	.....
Ten first-size hose wagons.....	8,889.50	.....	.....	.....
Two third-size steam fire engines	12,134.00	.....	.....	.....
Three 65-ft. aerial H. & L. trucks	17,223.00	.....	.....	52,853.50
One 75-ft. H. & L. truck.....	.....	6,148.00	.....	.....
Two third-size steam fire engines	.....	12,134.00	.....	.....
Three combination H. & L. trucks and chemical engines	.....	3,896.25	.....	.....
Two fourth-size steam fire en- gines	.....	8,948.00	.....	31,126.25
Telephone rentals	8,197.33	1,816.92	.....	10,014.25
Hose	.....	.....	2,340.00	2,340.00
Hose, total for Brooklyn and Queens	.....	.....	.....	17,400.00
Totals	\$355,449.37	\$87,041.23	\$14,025.23	\$473,915.83



## RELIEF FUND FOR THE YEAR.

## Receipts, 1909.

## From Bureau of Combustibles—

Oil Licenses .....	\$53,890 00	
Fireworks Permits .....	6,182 00	
Special Permits .....	36,263 00	
Permits for Sale, Use, etc., of Explosives .....	6,745 00	
Chimney Fire Penalties .....	1,160 00	
Powder Licenses .....	240 00	
Fire in Street Permits .....	40 00	
Match Licenses .....	275 00	
		<hr/> \$104,795 00

## Contributions—Donations—

1909.

Feb. 4 Marquise Elsie del Fiero .....	\$25 00	
Mar. 9 Morris Joseph .....	10 00	
Mar. 23 Henry Waldman .....	25 00	
Mar. 24 Lehigh Railroad Company .....	500 00	
Apr. 14 Joseph T. Low .....	50 00	
May 17 Julius Aderer .....	50 00	
June 25 William Bruce Brown .....	500 00	
Oct. 19 Rossia Insurance Co., C. F. Sturhahn ..	20 00	
Dec. 9 Dr. Walter B. James .....	250 00	
Dec. 20 The Brooklyn Heights Railroad Co. ..	100 00	
Dec. 22 Mrs. Frances Schroeder .....	5 00	
Dec. 23 Marie L. Tillotson .....	100 00	
		<hr/> 1,635 00

Excise Licenses .....	\$436,268 12	
Penalties .....	535 50	
Foreign Fire Insurance Tax .....	139,251 40	
Interest .....	28,431 06	
Sale of Condemned Property .....	14,380 13	
Fines, Uniformed Force, deducted from payrolls	4,886 81	
Special Leaves, Uniformed Force, deducted from payrolls .....	2,430 63	
Premium on Bonds .....	2,312 50	
Inspector of Combustibles .....	2,066 90	
		<hr/> \$736,993 05

## Disbursements, 1909.

## City Comptroller—

To be paid to Treasurers of the Exempt or Veteran Firemen's Associations, 45 per cent. of proceeds of suits for penalties and of all license fees collected in the Boroughs of Queens and Richmond; also 10 per cent. of same to the Treasurer of the Firemen's Association of the State of New York, pursuant to section 789, subdivisions 9, 10, chapter 466, Laws of 1901 .....

\$7,237 45

Pensions, Widows and Orphans, etc., Boroughs of Manhattan, The Bronx and Richmond .....	\$132,021 74
Retired Men, Manhattan, The Bronx and Richmond .....	324,850 13
Pay of Relieved Men, Manhattan and the Bronx ..	38,108 81
Pensions, Widows and Orphans, etc., Boroughs of Brooklyn and Queens .....	74,454 04
Pensions, Retired Men, Boroughs of Brooklyn and Queens .....	159,387 68

---

728,822 40

Expenses .....	337 36
Refund of Interest .....	165 27
Fines Remitted .....	195 75
Special Leave Refund .....	15 34
	<u>\$736,773 57</u>

## Recapitulation.

Amount of Fund, December 31, 1908—	
Bonds, Municipal .....	\$779,000 00
Bonds and Mortgages .....	28,250 00
Cash .....	43,874 12
	<u>\$851,124 12</u>
Receipts, 1909 .....	736,993 05
	<u>\$1,588,117 17</u>
Disbursements, 1909 .....	736,773 57
	<u>\$851,343.60</u>
Balance, December 31, 1909 .....	=====
Bonds, Municipal .....	\$769,000 00
Bonds and Mortgages .....	28,250 00
Cash .....	53,781 38
Due from City Comptroller .....	312 22
	<u>\$851,343 60</u>
	=====
Amount of Fund December 31, 1909 .....	\$851,343 60
Amount of Fund December 31, 1908 .....	851,124 12
	<u>\$219 48</u>

Surplus for the year 1909 .....

## Securities and Assets, December 31, 1909—

New York and Brooklyn City Bonds, as per Schedule "A" .....	\$769,000 00
Real Estate Bonds and Mortgages as per Sched- ule "B" .....	28,250 00
Cash in Nineteenth Ward Bank.....	11,972 69
Cash in Fidelity Bank .....	11,093 66
Cash in Commercial Trust Company .....	10,123 28
Cash in Bank of Washington Heights .....	5,406 10
Cash in Garfield National Bank .....	5,242 06
Cash in Carnegie Trust Company .....	5,141 72
Cash in Windsor Trust Company .....	3,217 37
Cash in office, received December 31, 1909, too late for deposit .....	1,584 50
Due from City Comptroller .....	312 22
	<u>\$851,343 60</u>
	=====

## Pension Rolls, December 31, 1909.

	Number on Roll.	Annual Charge.
Retired men, Manhattan, The Bronx and Richmond.....	409	\$333,153.25
Relieved men, Manhattan and The Bronx.....	54	37,075.00
Widows and orphans, Manhattan, The Bronx and Richmond...	397	133,550.00
Retired men, Brooklyn and Queens .....	204	170,151.58
Widows and orphans, Brooklyn and Queens .....	227	77,240.00
	<u>1,291</u>	<u>\$751,169.83</u>
		=====

## Summary.

	Pensioners.
Pension rolls, December 31, 1908 .....	1,215
Deduct for deaths, expirations and revocations.....	65
	<u>1,150</u>

## Additions Authorized.

Retired men, Manhattan, The Bronx and Richmond.....	45
Retired men, Brooklyn and Queens .....	37
Widows and orphans, Manhattan, The Bronx and Richmond.....	32
Widows and orphans, Brooklyn and Queens .....	27
	<u>1,291</u>
Pension roll, December 31, 1909 .....	=====

## SCHEDULE A.

## New York City and Brooklyn Bonds, etc., the Property of the New York Fire Department Relief Fund.

Description.	No. of Bond.	Rate of Interest.	Amount.
Dock Bond .....	5	3	\$105,000.00
Consolidated Stock, City of New York.....	200	2½	30,000.00
Consolidated Stock, City of New York.....	430	2½	50,000.00
Consolidated Stock, City of New York.....	460	2½	30,000.00
Dock Bond .....	274	3	20,000.00
Third Avenue Bridge Bonds .....	6	3½	100,000.00
Third Avenue Bridge Bonds .....	7	3½	100,000.00
Brooklyn City Park Improvement Loan.....	11	4	50,000.00
Dock Bond, City of New York.....	497	3	24,000.00
Consolidated Stock, City of New York.....	5	3½	3,000.00
Consolidated Stock, City of New York.....	13	3½	15,000.00
Consolidated Stock, City of New York.....	2	3½	2,000.00
Public Sites, etc., City of Brooklyn.....	13	3	30,000.00
School Building Bonds, City of Brooklyn.....	29	3½	40,000.00
Corporate Stock, City of New York.....	5,189	4	25,000.00
Consolidated Stock, City of New York.....	1,340	3	120,000.00
Corporate Stock, City of New York.....	5,096	3½	10,000.00
Corporate Stock, City of New York.....	819	3½	10,000.00
Corporate Stock, City of New York.....	365	3½	5,000.00
Total .....			<u>\$769,000.00</u>

## SCHEDULE B.

## Bonds and Mortgages.

Name.	Rate of Interest.	Principal Payable.	Amount.
Margaret Shea .....	4½	Dec. 5, 1901	\$4,000.00
Jane Kassenbrock .....	5	Aug. 1, 1886	2,250.00
Charles Robbins .....	4½	May 1, 1888	7,000.00
Emma L. Kibbe .....	4½	May 1, 1889	4,500.00
E. C. Martin and others .....	5	Nov. 1, 1888	3,000.00
Caroline Storm .....	4½	Nov. 1, 1890	2,500.00
Kate E. Dallan .....	5	Dec. 16, 1895	2,500.00
Wolbeck & Rothman .....	5	Mar. 15, 1895	2,500.00
Total .....			<u>\$28,250.00</u>

## Summary.

Municipal Bonds .....	\$769,000.00
Bonds and Mortgages .....	28,250.00
Total investments, December 31, 1909.....	<u>\$797,250.00</u>
	=====

## Receipts and Disbursements of the Relief Fund, 1871-1909, Inclusive.

Receipts.	1871 to 1907.	1908.	1909.	Total.
Metropolitan Fire Dept. Relief Fund.	\$7,340.07	.....	.....	\$7,340.07
Brooklyn Fire Dept. Relief Fund....	213,837.06	.....	.....	213,837.06
Fines .....	86,279.95	\$3,865.17	\$4,886.81	95,031.93
Donations .....	58,651.65	2,172.50	1,635.00	62,459.15
Penalties .....	23,151.46	1,236.50	535.50	24,923.46
Oil licenses .....	1,624,467.75	57,925.00	53,890.00	1,736,282.75
Fireworks permits .....	71,811.75	7,012.00	6,182.00	85,005.75
Interest .....	892,283.69	29,274.69	28,431.06	949,989.44
Foreign fire insurance tax .....	1,094,693.29	139,086.99	139,251.40	1,373,031.68
Powder licenses .....	9,948.75	200.00	240.00	10,388.75
Special permits .....	143,788.05	28,378.00	36,263.00	208,429.05
Chimney fines .....	26,097.75	1,175.00	1,160.00	28,432.75
Fire in street permits .....	1,269.70	34.50	40.00	1,344.20
Sales of condemned property .....	116,930.03	9,625.88	14,380.13	140,936.04
Excise licenses .....	3,448,638.60	378,510.18	436,268.12	4,263,416.90
Special leaves .....	73,864.91	1,723.26	2,430.63	78,018.80
Violation of Agricultural Laws .....	14,157.55	162.50	.....	14,320.05
Explosive permits .....	54,841.00	6,315.00	6,745.00	67,901.00
Premium on bonds .....	9,342.30	11,900.00	2,312.50	23,554.80
Match licenses .....	4,313.75	250.00	275.00	4,838.75
Inspector of Combustibles .....	.....	1,691.10	2,066.90	3,758.00
Sales of seized combustibles .....	.....	15.00	.....	15.00
	\$7,975,709.06	\$680,553.27	\$736,993.05	\$9,393,255.38

## Disbursements of the Relief Fund, 1871-1909, Inclusive.

Disbursements.	1871 to 1907.	1908.	1909.	Total.
Fines remitted . . . . .		\$55.93	\$195.75	\$251.68
Premium on bonds . . . . .	\$37,417.86			37,417.86
Interest . . . . .	498.63	424.85	165.27	1,088.75
Special Leave Fund . . . . .			15.34	15.34
Salaries . . . . .	18,227.31			18,227.31
Expense account . . . . .	28,786.86	123.53	337.36	29,247.75
City Comptroller . . . . .		7,920.82	7,237.45	15,158.27
Pensions:				
Widows and orphans, etc., bor- oughs of Manhattan, The Bronx and Richmond . . . . .	1,560,136.39	126,026.23	132,021.74	1,818,184.36
Widows and orphans, etc., bor- oughs of Brooklyn and Queens Retired men, boroughs of Manhat- tan, The Bronx and Richmond . . . . .	406,365.51	68,743.40	74,454.04	549,562.95
Retired men, boroughs of Brook- lyn and Queens . . . . .	3,068,284.19	304,277.07	324,850.13	3,697,411.39
Retired men, boroughs of Brook- lyn and Queens . . . . .	825,590.77	145,328.17	159,387.68	1,130,306.62
Pay of relieved men, boroughs of Manhattan and The Bronx.....	1,167,366.66	39,564.03	38,108.81	1,245,039.50
	\$7,112,674.18	\$692,464.03	\$736,773.57	\$8,541,911.78

## Recapitulation.

Receipts, January 1, 1871, to January 1, 1910.....	\$9,393,255.38
Disbursements, January 1, 1871, to January 1, 1910.....	8,541,911.78
Balance .....	\$851,343.60

## LIFE INSURANCE FUND FOR THE YEAR 1909.

Amount of fund, December 31, 1908..... \$16,942.73

## Receipts During 1908.

Assessments received from members of the uniformed force, retired and relieved men and employees of the Department .....	\$63,023.00	
Assessments deducted in the adjustment of claims of the Long Island City firemen .....	4,535.75	
Interest .....	642.03	
		68,200.78
		<hr/> \$85,143.51

## Disbursements During 1909.

January—		
Clara L. Henry, widow of Thomas .....	\$1,000.00	
Lilly I. Campbell, widow of Owen S. ....	1,000.00	
William J. Dougherty, administrator of Patrick ..	1,000.00	
February—		
Teresa M. Hannan, widow of John J. ....	1,000.00	
Bernard F. Harvey, admr. of Arthur McCooey ..	1,000.00	
Jane Burns, widow of Michael J. ....	1,000.00	
Matilda M. Fredericks, widow of Charles A. ...	1,000.00	
Agnes Bowler, widow of John A., Jr. ....	1,000.00	
March—		
John A. Dix, administrator of Thos. J. Burke ...	1,000.00	
Margaret Connell, widow of James W. ....	1,000.00	
April—		
Marcella A. Graham, admx. of Michael E. C. ...	1,000.00	
Ellen F. Manning, widow of Robert C. ....	1,000.00	
Martha E. McCarthy, widow of William ....	1,000.00	
Mary E. Shay, widow of Charles H. ....	1,000.00	
Anna M. Brennan, widow of Thomas M. ....	1,000.00	
Daniel J. Curley, admr. of Michael ....	1,000.00	
Moritz Dohler, admr. of Morris Dohler ....	1,000.00	
Mary K. Robbins, widow of Nathaniel A. ....	1,000.00	
Margaret Horan, widow of Patrick T. ....	1,000.00	
May—		
Elizabeth Wohlleber, widow of Frederick J. ....	1,000.00	
Johanna J. Maher, widow of Francis V. A. ....	1,000.00	
Michael F. Hayes, executor of James Delaney ..	1,000.00	
Mary Moclair, widow of William ....	1,000.00	
Mary A. Feeney, widow of William ....	1,000.00	
June—		
Mary McCue, widow of Thomas J. ....	1,000.00	
William Reilly, admr. of Chas. C. Reilly ....	1,000.00	
Theresa Shea, executrix of John F. Shea ....	1,000.00	
George B. Riley, admr. of Patrick Riley ....	1,000.00	
Bella Lucid, widow of William J. ....	1,000.00	
Mary McLaughlin, widow of John No. 1 ....	1,000.00	
July—		
Eda Mary Hanson, widow of Henry ....	1,000.00	
William Farrell, admr. of George J. ....	1,000.00	
Adelaide T. Graham, widow of David ....	1,000.00	

Elizabeth M. Schwarz and Josephine H. Rogers, executrices of Robert Mullen .....	1,000.00	
Catharine Marshall, widow of Patrick P. ....	1,000.00	
Mary E. Munger, widow of John A. ....	1,000.00	
James J. McGroarty, admr. of Dennis .....	1,000.00	
Refund of assessment, June, 1909, City Paymas- ter, Wm. E. Bechtold, Engine Co. 14 .....	1.00	
August—		
Esther B. Beattie, widow of Robert .....	1,000.00	
William F. McLiney, admr. of Patrick .....	1,000.00	
Elizabeth C. Bour, admx. of Charles P. ....	1,000.00	
Alice Mulligan, admx. of Michael J. Bansley ...	1,000.00	
Elizabeth L. Carney, widow of John S. ....	1,000.00	
September—		
Henry R. Allison, admr. of Henry R. ....	1,000.00	
Catherine Dickers, widow of William E. ....	1,000.00	
Caroline Meadows, widow of Charles E. ....	1,000.00	
October—		
Ellen Slattery, widow of John .....	1,000.00	
Kate McGowan, widow of William G. ....	1,000.00	
Catherine Heenan, widow of Thomas F. ....	1,000.00	
John Dowd, admr. of Thomas F. ....	1,000.00	
Henry Gaul, admr. of Henry .....	1,000.00	
Delia Conway, widow of Bernard .....	1,000.00	
November—		
Mary J. Creighton, widow of Francis P. ....	1,000.00	
Emily K. Sexton, widow of William J. ....	1,000.00	
Elizabeth McLarney, widow of Francis .....	1,000.00	
December—		
James A. Kearney, admr. of Edward J. Carney ..	1,000.00	
Anna McCabe, admx. of Thomas McCabe .....	1,000.00	
Florence McAuliffe, admr. of John J. ....	1,000.00	
		57,001.00
		<hr/> \$28,142.51
<b>Recapitulation.</b>		
Balance on hand, December 31, 1908 .....	\$16,942.73	
Receipts during 1909 .....	68,200.78	
		<hr/> \$85,143.51
Disbursements, 1909 .....		57,001.00
		<hr/> \$28,142.51
Balance on hand, December 31, 1909 .....		\$28,142.51
Cash in Garfield National Bank .....	\$16,445.90	
Cash in 14th Street Bank .....	5,032.90	
Cash in the Night and Day Bank .....	5,016.71	
Due from City Comptroller .....	1,647.00	
		<hr/> \$28,142.51
<b>Liabilities.</b>		
Seven death claims pending adjustment.		

## BUILDINGS OF THE FIRE DEPARTMENT.

### Boroughs of Manhattan, The Bronx and Richmond.

Headquarters—Office of Commissioner. Bureaus—Chief of Department, Inspector of Combustibles, Fire Marshal, Violations and Auxiliary Fire Appliances, Superintendent of Buildings, Fire Alarm Telegraph (Central Office),



Medical Officers, Storehouse, School of Instruction and Drill Ground, Nos. 157 and 159 E. 67th St.

Hospital and training stables, 133-135 W. 99th St.

Bell tower and lookout, Mt. Morris Sq.

Bell tower and lookout headquarters, 157-159 E. 67th St.

Lookout, s.w. corner 10th St. and 6th Av. (Jefferson Market Court House).

Engine Co. 1, 165 W. 29th St.

Engine Co. 2, 530 W. 43d St.

Engine Co. 3, 417 W. 17th St.

Engine Co. 4, 119 Maiden Lane.

Engine Co. 5, 340 E. 14th St.

Engine Co. 6, 113 Liberty St.

Engine Co. 7, 100-102 Duane St.

Engine Co. 8, 165 E. 51st St.

Engine Co. 9, 55 E. Broadway.

Engine Co. 10, 8 Stone St.

Engine Co. 11, 437 E. Houston St.

Engine Co. 12, 261 William St.

Engine Co. 13, 99 Wooster St.

Engine Co. 14, 14 E. 18th St.

Engine Co. 15, 269 Henry St.

Engine Co. 16, 223 E. 25th St.

Engine Co. 17, 91 Ludlow St.

Engine Co. 18, 132 W. 10th St. (1 high pressure hose wagon and 1 engine and tender).

Engine Co. 19, 335 W. 25th St.

Engine Co. 20, 243 Lafayette St. (searchlight engine company 1, high pressure hose company).

Engine Co. 21, 216 E. 40th St.

Engine Co. 22, 159 E. 85th St.

Engine Co. 23, 215 W. 58th St.

Engine Co. 24, 78 Morton St.

Engine Co. 25, 342 5th St.

Engine Co. 26, 220 W. 37th St.

Engine Co. 27, 173 Franklin St. (high pressure hose company).

Engine Co. 28, 604 E. 11th St.

Engine Co. 29, 160 Chambers St.

Engine Co. 30, 278-284 Spring St. (two high pressure hose wagons and 1 engine and tender).

Engine Co. 31, 87-91 Lafayette St. (water tower No. 1).

Engine Co. 32, 49 Beekman St.

Engine Co. 33, 42-44 Great Jones St.

Engine Co. 34, 440 W. 33rd St.

Engine Co. 35, 223 E. 119th St.

Engine Co. 36, 1849 Park Ave.

Engine Co. 37, 83 Lawrence St., through to Amsterdam Ave and 128th St.

Engine Co. 38, 1907 Amsterdam Av.

Engine Co. 39, 157 E. 67th St.

Engine Co. 40, No. 153 W. 68th St.

Engine Co. 41, 330 E. 150th St. (Bronx).

Engine Co. 42, 1192 Fulton Ave. (Bronx).

Engine Co. 43, Sedgwick Ave., opposite Burnside Ave. (Bronx).

Engine Co. 44, 221 E. 75th St.

Engine Co. 45, 925 E. 177th St. (Bronx).

Engine Co. 46, 451 E. 176th St. (Bronx).

Engine Co. 47, 502 W. 113th St.

Engine Co. 48, 2504 Webster Ave. (Bronx).

Engine Co. 49, Blackwells Island.

Engine Co. 50, 491 E. 166th St. (Bronx).

Engine Co. 52, Riverdale Ave. near Spuyten Duyvil Pkwy. (Bronx).

Engine Co. 53, 175 E. 104th St.

Engine Co. 54, 304 W. 47th St.

Engine Co. 55, 363 Broome St.

Engine Co. 56, 120 W. 83rd St.

Engine Co. 57 (floating engine), Battery Park.

Engine Co. 58, 81 W. 115th St.

Engine Co. 59, 180 W. 132nd St.

Engine Co. 60, 352 E. 137th St. (Bronx).

Engine Co. 61, 1518 Williamsbridge Rd. (Bronx).

Engine Co. 62, 3431-3433 White Plains Rd. (Bronx).

Engine Co. 63, 4109 White Plains Ave. (Bronx).

Engine Co. 64, 2152 Gleason Ave., Unionport (Bronx).

Engine Co. 65, 33 W. 43rd St.

Engine Co. 66 (floating engine), ft. of Grand St., E. R., Pier 55.

Engine Co. 67, 518 W. 170th St.

Engine Co. 68, 1080 Ogden Ave. (Bronx).

Engine Co. 69, 243 E. 133rd St. (Bronx).

Engine Co. 70, 169 Scofield St., City Island (Bronx).

Engine Co. 71, 3134-3136 Park Ave. (Bronx).

Engine Co. 72, 22 E. 12th St. (high pressure hose company).

Engine Co. 73, 655 Prospect Ave. (Bronx).



Engine Co. 74, 204 W. 77th St.  
 Engine Co. 75, 2085 Jerome Ave.  
 (Bronx).  
 Engine Co. 76, 105-107 W. 102d St.  
 Engine Co. 77 (floating engine), detailed ft. Main St. (Brooklyn).  
 Engine Co. 78 (floating engine), ft. 99th St. and Harlem River.  
 Engine Co. 79, 2928 Briggs Ave.  
 (Bronx).  
 Engine Co. 80, 503-505 W. 139th St.  
 Engine Co. 81, 3045 Albany Road  
 (Bronx).  
 Engine Co. 82, 1215 Intervale Ave.  
 (Bronx).  
 Engine Co. 83, 618 E. 138th St.  
 (Bronx).  
 Engine Co. 84, 513 W. 161st St.  
 Engine Co. 85 (floating engine), ft. 35th St. and North River.  
 Engine Co. 86 (floating engine), ft. Gansevoort St. and North River.  
 Engine Co. 87 (floating engine), ft. 132nd St. and Harlem River.  
 Engine Co. 88, 2225 Belmont Ave.  
 (Bronx).  
 Engine Co. 89, 1799 1st Ave.  
 Hook & Ladder 1, 104 Duane St.  
 Hook & Ladder 2, 126 E. 50th St.  
 Hook & Ladder 3, 108 E. 13th St.  
 (Water Tower 2).  
 Hook & Ladder 4, 788 8th Ave.  
 Hook & Ladder 5, 96 Charles St.  
 Hook & Ladder 6, 87 Canal St.  
 Hook & Ladder 7, 217 E. 28th St.  
 Hook & Ladder 8, No. Moore and Varick Sts.  
 Hook & Ladder 9, 209 Elizabeth St.  
 Hook & Ladder 10, 191 Fulton St.  
 Hook & Ladder 11, 742 5th St.  
 Hook & Ladder 12, 243 W. 20th St.  
 Hook & Ladder 13, 159 E. 87th St.  
 Hook & Ladder 14, 120 E. 125th St.  
 Hook & Ladder 15, Old Slip, be-

tween Water and Front Sts.  
 Hook & Ladder 16, 159 E. 67th St.  
 Hook & Ladder 17, 341-343 E. 143rd St. (Bronx).  
 Hook & Ladder 18, 84 Attorney St.  
 Hook & Ladder 19, 886 Forest Ave.  
 (Bronx).  
 Hook & Ladder 20, 155-157 Mercer St.  
 Hook & Ladder 21, 432 W. 36th St.  
 Hook & Ladder 22, 766 Amsterdam Ave.  
 Hook & Ladder 23, 504 W. 140th St.  
 Hook & Ladder 24, 113-115 W. 33d St. (Water Tower 3, Searchlight 2).  
 Hook & Ladder 25, 205 W. 77th St.  
 Hook & Ladder 26, 52-54 E. 114th St.  
 Hook & Ladder 27, 453 E. 176th St.  
 (Bronx).  
 Hook & Ladder 28, 248-250 W. 143d St.  
 Hook & Ladder 29, 620 E. 138th St.  
 (Bronx).  
 Hook & Ladder 30, 104 W. 135th St.  
 Hook & Ladder 31, 1213 Intervale Ave. (Bronx).  
 Hook & Ladder 32, 489 E. 166th St.  
 (Bronx).  
 Hook & Ladder 33, 2083 Jerome Ave. (Bronx).  
 Hook & Ladder 34, 515 W. 161st St.  
 Hook & Ladder 35, 142-144 W. 63rd St.  
 Hook & Ladder 36, Sedgwick Ave., opposite Burnside Ave. (Bronx).  
 Hook & Ladder 37, 2930 Briggs Av. (Bronx).  
 Hook & Ladder 38, 2223 Belmont Ave. (Bronx).  
 Hook & Ladder 39, 1799 1st Ave.  
 Hook & Ladder 40, 6 Hancock Pl.

#### Borough of Richmond.

Engine Co. 51 (floating engine), St. George.  
 Engine Co. 201, Eureka Pl. and Bentley St., Tottenville.  
 Engine Co. 202, New York Ave., between Pennsylvania and Maryland Aves., Rosebank.  
 Engine Co. 203, 72 Broad St., Stapleton.  
 Engine Co. 204, 44 Sarah Ann St., Tompkinsville.  
 Engine Co. 205, 223 Jersey St., New

Brighton.  
 Engine Co. 206, Carey Ave. and Elizabeth St., W. New Brighton.  
 Engine Co. 207, 51 Cottage Pl., Port Richmond.  
 Engine Co. 208, 22 Central Ave., Mariners Harbor.  
 Hook & Ladder 101, Main St., near Broadway, Tottenville.  
 Hook & Ladder 103, Brook St. and Richmond Turnpike, New Brighton.

Hook & Ladder 102, Canal, near Wright St., Stapleton.  
 Hook & Ladder 104, Castleton Ave., between Barker and Taylor Sts., West New Brighton.

Hook & Ladder 105, 232 Richmond Ave., Port Richmond.  
 South Beach Hose Co. 1, Seaside Boulevard, between Ocean Ave. and Sand Lane, South Beach.

### Boroughs of Manhattan and The Bronx.

Fuel Depot 1, 25 Bridge St.  
 Fuel Depot 2, quarters of Engine Co. 31.  
 Fuel Depot 3, quarters of Hook & Ladder Co. 8.  
 Fuel Depot 4, 180 Clinton St.  
 Fuel Depot 5, 199 Chrystie St.  
 Fuel Depot 6, quarters of Engine Co. 30.  
 Fuel Depot 9, quarters of Hook & Ladder Co. 3.  
 Fuel Depot 10, quarters of Engine Co. 3.  
 Fuel Depot 11, quarters of Engine Co. 19.  
 Fuel Depot 12, quarters of Hook & Ladder Co. 7.  
 Fuel Depot 13, quarters of Engine Co. 2.  
 Fuel Depot 14, quarters of Hook & Ladder Co. 2.  
 Fuel Depot 15, quarters of Engine Co. 23.  
 Fuel Depot 16, quarters of Engine Co. 22.  
 Fuel Depot 17, quarters of Hook & Ladder Co. 22.  
 Fuel Depot 18, quarters of Engine Co. 53.  
 Fuel Depot 19, 209 E. 122nd St.  
 Fuel Depot 20, 58 Lawrence St.  
 Fuel Depot 21, quarters of Hook & Ladder Co. 17.  
 Fuel Depot 22, quarters of Engine Co. 50.  
 Fuel Depot 24, quarters of Engine Co. 52.

Fuel Depot 25, quarters of Hook & Ladder Co. 28.  
 Fuel Depot 26, quarters of Engine Co. 48.  
 Fuel Depot 27, quarters of Hook & Ladder Co. 35.  
 Fuel Depot 28, quarters of Engine Co. 84.

### Storehouses.

20 Eldridge St.  
 180 Clinton St. (Fuel Depot 4).  
 199 Chrystie St. (Fuel Depot 5).  
 209 E. 122nd St.  
 Main St. and Westchester Turnpike, The Bronx.  
 130-132 W. 3rd St.  
 Repair Shops, 12th Ave. and 56th St.  
 162 E. 68th St.  
 226 West Broadway.  
 Fuel Wagon 1, quarters of Hook & Ladder Co. 8.  
 Fuel Wagon 2, quarters of Engine Co. 30.  
 Fuel Wagon 3, quarters of Hook & Ladder Co. 9.  
 Fuel Wagon 4, quarters of Hook & Ladder Co. 2.  
 Fuel Wagon 5, quarters of Hook & Ladder Co. 35.  
 Fuel Wagon 6, quarters of Hook & Co. 38.  
 Fuel Wagon 7, quarters of Hook & Ladder Co. 17.  
 Fuel Wagon 8, quarters of Engine Co. 19.  
 Fuel Wagon 9, 133 W. 99th St.  
 Fuel Wagon 10, quarters of Engine Co. 53.

### Boroughs of Brooklyn and Queens.

Headquarters—Office of the Deputy Commissioner, Deputy Chief of Department. Bureaus—Fire Marshal, Violations and Auxiliary Fire Appliances, Assistant Inspector of Combustibles, Fire Alarm Telegraph (Central Office), Medical Officers, Nos. 365 and 367 Jay St.

Engine Co. 101, 1233 4th St.  
 Engine Co. 102, 201 Van Brunt St.  
 Engine Co. 103, 533 Hicks St.  
 Engine Co. 104, 299 Degraw St.  
 Engine Co. 105, 160 Pierrepont St.  
 Engine Co. 106, 189 Pearl St.  
 Engine Co. 107, 247 Pearl St.

Engine Co. 108, 277 Front St.  
 Engine Co. 109, 159 Graham St.  
 Engine Co. 110, 160 Carlton Ave.  
 Engine Co. 111, 166 Clymer St.  
 Engine Co. 112, 136 Wythe Ave.  
 Engine Co. 113, 137 Powers St.  
 Engine Co. 114, 231 Herkimer St.

- Engine Co. 115, 88 India St.  
 Engine Co. 116, 11 Scholes St.  
 Engine Co. 117, 940 DeKalb Ave.  
 Engine Co. 118, 650 Hart St.  
 Engine Co. 119, 735 Dean St.  
 Engine Co. 120, 530 11th St.  
 Engine Co. 121, 163 So. 2nd St.  
 Engine Co. 122, 836 Quincy St.  
 Engine Co. 123, ft. 42nd St. (floating engine) a.  
 Engine Co. 124, 274 Hicks St.  
 Engine Co. 125, 657 Liberty Ave.  
 Engine Co. 126, 409 State St.  
 Engine Co. 127, 979 Herkimer St.  
 Engine Co. 128, 178 39th St.  
 Engine Co. 129, 246 Frost St.  
 Engine Co. 130, 59 Ellery St.  
 Engine Co. 131, 107 Watkins St.  
 Engine Co. 132, dock ft. of No. 8th St. (floating engine) a.  
 Engine Co. 133, 243 Hull St.  
 Engine Co. 134, 1472 Bergen St.  
 Engine Co. 135, 206 Monroe St.  
 Engine Co. 136, Liberty Ave., near Euclid St.  
 Engine Co. 137, 55 Morgan Ave.  
 Engine Co. 138, 176 Norman Ave.  
 Engine Co. 139, 395 4th Ave.  
 Engine Co. 140, Prospect near Greenwood Ave. (b).  
 Engine Co. 141, Bay Ridge, near 2nd Ave.  
 Engine Co. 142, 5th Ave., near 92nd St.  
 Engine Co. 143, 18th Ave., near 86th St.  
 Engine Co. 144, W. 15th St. and Surf Ave.  
 Engine Co. 145, W. 8th St. and Surf Ave.  
 Engine Co. 146, E. 23rd St. and Voorhees Ave.  
 Engine Co. 147, 60th St. and New Utrecht Ave.  
 Engine Co. 148, Church near Bedford Ave.  
 Engine Co. 149, Rogers Ave. and Midwood St.  
 Engine Co. 150, Lawrence near 2nd Ave.  
 Engine Co. 151, Wallabout Market.  
 Engine Co. 152, 621 Central Ave.  
 Engine Co. 153, 86th St. near 24th Ave.  
 Engine Co. 154, Gravesend Ave. and Ave. V.  
 Engine Co. 155, Rogers Ave. near Ave. F.  
 Engine Co. 156, 124 DeKalb Ave.  
 Engine Co. 157, Rockaway Ave. and Ave. F.  
 Engine Co. 158, 136 8th St., Long Island City (Queens).  
 Engine Co. 159, 71 Gale St., Long Island City (Queens).  
 Engine Co. 160, 687 Vernon Ave., Long Island City (Queens).  
 Engine Co. 161, 231 Radde St., Long Island City (Queens).  
 Engine Co. 162, 78-80 Main St., Long Island City (Queens).  
 Engine Co. 163, Flushing Ave., between 12th and 13th Aves., Long Island City (Queens).  
 Engine Co. 164, Far Rockaway, Central Ave. near Cleveland St. (Queens).  
 Engine Co. 165, Arverne, Boulevard near Ammerman Ave. (Queens).  
 Engine Co. 166, Hammel's Station, Grove St. near Boulevard (Queens).  
 Engine Co. 167, Sea Side, Boulevard near Henry St. (Queens).  
 Engine Co. 168, Rockaway Park, Washington and Eastern Aves. (Queens).  
 Engine Co. 169, 786 Union St.  
 Engine Co. 170, Willow St., Richmond Hill (Queens).  
 Engine Co. 171, 392 Himrod St.  
 Engine Co. 172, south side Lincoln Ave., between Main and Garden Sts., Flushing (Queens).  
 Engine Co. 173, west side Union St., between Railroad and Amity Sts., Flushing (Queens).  
 Engine Co. 174, Junction Madison Ave. and Long Island Railroad, Murray Hill, Flushing (Queens).  
 Engine Co. 175, Orchard St., between Shelton Ave. and No. 1st St., Jamaica (Queens).  
 Hook & Ladder 51, 199 Van Brunt St.  
 Hook & Ladder 52, 894 Bedford Av.  
 Hook & Ladder 53, 183 Concord St.  
 Hook & Ladder 54, 181 So. 3rd St.  
 Hook & Ladder 55, 648 Pacific St.  
 Hook & Ladder 56, 124 Greenpoint Ave.  
 Hook & Ladder 57, 40 New Jersey Ave.  
 Hook & Ladder 58, 112 Siegel St.  
 Hook & Ladder 59, 633 4th Ave.  
 Hook & Ladder 60, 264 State St.

Hook & Ladder 61, 399 Halsey St.  
 Hook & Ladder 62, 1171 Madison Ave.  
 Hook & Ladder 63, Rogers Ave. near Midwood St.  
 Hook & Ladder 64, 5th Ave. near 52nd St.  
 Hook & Ladder 65, 138 8th St., Long Island City (Queens).  
 Hook & Ladder 66, Jackson Ave. near Kouwenhoven St., Long Island City (Queens).  
 Hook & Ladder 67, Flushing Ave., between 12th and 13th Aves., Long Island City (Queens).  
 Hook & Ladder 68, 365-367 Jay St. (Water Tower 1).  
 Hook & Ladder 69, Wallabout Mkt.  
 Hook & Ladder 70, 109 Watkins St.  
 Hook & Ladder 71, Boulevard, near Bayview Ave., Rockaway, Hollands (Queens).  
 Hook & Ladder 72, 532 11th St.  
 Hook & Ladder 73, 423-425 Ralph Ave., near Bergen St.  
 Hook & Ladder 74, 394 Himrod St.  
 Hook & Ladder 75, Spruce St., between Atlantic and Fulton Aves., Richmond Hill (Queens).  
 Hook & Ladder 76, Irving Pl., between Beaufort Ave. and Broadway, Jamaica (Queens).  
 Hook & Ladder 77, Union Ave., between Fulton St. and Shelton Ave. (Queens).

Hook & Ladder 78, Blissville, Long Island City (Queens).  
 Hook & Ladder 79, Grove St., 250 ft. west of Main St., Flushing (Queens).  
 Hook & Ladder 80, 225 16th St., College Point (Queens).  
 Hose Co. 2, 196 Greenwood Ave., Richmond Hill (Queens).  
 Hose Co. 3, Bandman Ave., between Henry and Jay Sts., Jamaica (Queens).  
 Hose Co. 4, Rockaway Ave., between Long Island Railroad and Fulton St., Jamaica (Queens).  
 Hose Co. 5, John St., between Grove St. and St. James Pl., Jamaica (Queens).  
 Hose Co. 6, Harriman Ave., between Fulton and Grove Sts., Jamaica (Queens).  
 Hose Co. 8, 227 16th St., College Point (Queens).  
 Hose Co. 9, 518 5th St., College Point (Queens).  
 Chemical Engine 1, 712 Driggs Ave.

#### **Repair Shops.**

St. Edward and Bolivar Sts.  
 (Searchlight 1).

#### **Training Stables, Etc.**

St. Edward and Bolivar Sts.

#### **Coal Depots.**

127 No. 1st St.

